elnı

Coordinating Bureau

Three organisations currently share the organisational work of the network: Öko-Institut, IESAR at the University of Applied Sciences in Bingen and sofia, the Society for Institutional Analysis, located at the University of Darmstadt. The person of contact is Prof. Dr. Roller at IESAR, Bingen.

elnı Review

The elni Review is a bi-annual, English language law review. It publishes articles on environmental law, focusing on European and international environmental law as well as recent developments in the EU Member States. elni encourages its members to submit articles to the elni Review in order to support and further the exchange and sharing of experiences with other members.

The first issue of the elni Review was published in 1990. It replaced the elni Newsletter, which was released in 1995 for the first time.

The elni Review is published by Öko-Institut (the Institute for Applied Ecology), IESAR (the Institute for Environmental Studies and Applied Research, hosted by the University of Applied Sciences in Bingen) and sofia (the Society for Institutional Analysis, located at the University of Darmstadt).

elnı Conferences and Fora

elnı conferences and fora are a core element of the network. They provide a platform for discussion on a relevant subject of environmental law and policy for international experts. The aim is to gather together scientists, policy makers and young researchers, providing them with the opportunity to exchange views and information as well as to develop new perspectives.

The aim of the elni fora initiative is to bring together, on a convivial basis and in a seminar-sized group, environmental lawyers living or working in the Brussels area, who are interested in sharing and discussing views on specific topics related to environmental law and policies.

Publications series

elnı publishes a series of books entitled "Publications of the Environmental Law Network International". Each volume contains papers by various authors on a particular theme in environmental law and in some cases is based on the proceedings of the annual conference.

elnı Website: elni.org

The elni website www.elni.org contains news about the network. The members have the opportunity to submit information on interesting events and recent studies on environmental law issues. An index of articles provides an overview of the elni Review publications. Past issues are downloadable online free of charge.

elnı Board of Directors

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elnı coordinates a number of different activities in order to facilitate the communication and connections of those interested in environmental law around the world.

In many countries lawyers are working on aspects of environmental law, often as part of environmental initiatives and organisations or as legislators. However, they generally have limited contact with other lawyers abroad, in spite of the fact that such contact and communication is vital for the successful and effective implementation of environmental law.

Therefore, a group of lawyers from various countries decided to initiate the Environmental Law Network International (elnı) in 1990 to promote international communication and cooperation worldwide. elni is a registered non-profit association under German Law.

Environmental ELNI EIA Conference in Wrocław

Sergiusz Urban and Jerzy Jendroska

The Appropriate Impact Assessment and Authorisation Requirements of Plans and Projects likely to have significant impacts on Natura 2000 sites

Nicolas de Sadeleer

Environmental Impact Assessment and Environmental Quality Standards

Eckard Rehbinder

Assessing the assessment:
Quality review of EIA/SEAs: a Dutch perspective

Gijis Hoevenaars

The EU, access to environmental information and the open society

Ludwig Krümer

The Dutch policy on gold-plating and the transposition of Directive 2008/98/EC on waste

Lorenzo Squintani

The prohibition of mercury discharges from coal-fired power stations under European law

Peter Kremer
Editorial

The aim of the Environmental Impact Assessment (EIA) process is to ensure that projects which are likely to have a significant effect on the environment are assessed in advance so that people are aware of what those effects are likely to be. The review process conducted by the Commission of the 25 year-old “EIA-Directive” identified its potential strengths and weaknesses. Set against this background, the current edition of the elni review is dedicated to legal challenges in the implementation of Environmental Impact Assessment.

Firstly, an overview of challenges and perspectives of the EU Environmental Impact Assessment Directive is given by Sergiusz Urban and Jerzy Jendrośka in their review of the elni conference held on May this year in Wroclaw which examined the proposed changes of the EIA Directive in the light of practical experience gathered up to now (Member States experience, jurisprudence of EU courts and international bodies) and views expressed in literature.

Subsequently, the Appropriate Impact Assessment and Authorisation Requirements of Plans and Projects likely to have significant impacts on Natura 2000 sites are examined by Nicolas de Sadeleer. The aim of his article is to shed light on the procedural requirements of the Habitats Directive, which are a key provision for implementing the EU’s system of protecting and preserving biological diversity in the Member States.

The third article is written by Eckard Rehbinder and argues for (suitable) criteria for the assessment of the likely environmental impacts of projects which are subject to the EIA, focusing on the assessments carried out by the competent authority and the assessment elements of the environmental report and the consultation of interested authorities. The final article which concentrates on EIA is by Gijs Hoevenaars and analyses the quality review of EIAs and Strategic Environmental Impact Assessments (SEA). With regard to the current discussions in Europe on this subject, this article provides an insight into Dutch experiences with the quality review of EIA and SEA.

Further articles are dealing with current EU legal issues.

The article of Ludwig Krämer analyses the practice of access to documents within the EU on the basis of several examples of legislation, and its use and interpretation by the EU Courts of Justice in the area of access to environmental information.

In a further article Lorenzo Squintani discusses the practice of national bodies exceeding the terms of European Union directives when implementing them into national law. He analyses certain provisions of the Directive 2008/98/EC on waste in order to understand the functioning of the Dutch policy on so-called “gold-plating”.

Finally, Peter Kremer examines whether mercury depositions which are emitted by Coal-Fired Power Stations are in line with the Industry Emission Directive and the Water Framework directive. Furthermore, he analyses what instruments are available under prevailing law to prohibit the construction of new coal-fired power stations and to make their approval subject to judicial review.

We hope you enjoy reading the journal.

Contributions for the next issue of the elni Review are very welcome. Please send contributions to the editors by mid-February 2014.

Claudia Fricke/Martin Führ
December 2013

Pre-announcement

elnì forum 2014

February 2014
in Brussels, Belgium

The elni forum will take place in February 2014, at EU Liaison Office of the German Research Organisations (KoWi), 8th Floor, Rue du Trône 98, 1050 Brussels.

The elni forum 2014 will offer the opportunity to discuss environmental footprint issues in environmental law from different point of views:

“Environmental Footprints–Key issues and practical experiences”

With an introduction by
Arjen Hoekstra, Professor for Water Management and co-founder and scientific director of the Water Footprint Network, University Twente, Netherlands.

Imola Bedo, Production Coordinator DG Environment, European Commission, Brussels.

Arjen Hoekstra presents key issues on the concept and developments on the water footprint. Imola Bedo will provide the point of view of the EU green products policy (PEF, OEF, PCRs, product passport). Furthermore there we will be the possibility to discuss the topic from an NGO and business perspective.

Further information to follow soon on www.elni.org
The Appropriate Impact Assessment and Authorisation Requirements of Plans and Projects likely to have significant impacts on Natura 2000 sites

Nicolas de Sadeleer

1 Introduction

Europe’s biological diversity, in addition to displaying a number of important ecological characteristics, is testament to the millennia symbiosis between man and his natural environment. Today, however, biodiversity faces a major crisis at both global and European levels, the implications of which still have not been fully appreciated. Biodiversity is indeed passing through a period of major crisis. Most natural or semi-natural, continental and coastal ecosystems are now subject to significant modifications as a result of human activity. Scientists expect that these disruptions will cause an unprecedented drop in the wealth of specific and genetic diversity. As a result, the number of species deemed to be under threat in Europe by the International Union for Nature Conservation.

In order to reverse these negative trends, in 1979 the EU enacted the Birds Protection Directive1, and in 1992 a sister directive, Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (the “Habitats Directive”). In addition, a clear commitment to halting the loss of biodiversity in the EU has been made in the Commission’s Communication on Halting the Loss of Biodiversity by 2010 - and Beyond.2

The Birds Directive makes it a requirement for Member States to ‘preserve, maintain and re-establish sufficient diversity and area of habitats for all wild birds’ and in particular to designate a range of Special Protection Areas (SPAs). The aim of the Habitats Directive is to contribute towards ensuring biodiversity through the conservation of natural habitats and of wild flora and fauna throughout the Member States. 3 Accordingly, measures taken pursuant to the Directive must be designed to maintain at or restore to, a favourable conservation status, natural habitats and species of wild flora and fauna ‘of Community interest’. It is thus ‘an essential objective of the Directive that natural habitats be maintained at and, where appropriate, restored to a favourable conservation status’. 5 Given the continuing deterioration of natural habitats, Member States are called on to designate and to protect the most appropriate natural sites as Special Areas of Conservation (SACs). Against this background, both SPAs and SACs are the backbone of the so-called Natura 2000 network of protected sites.6 The Natura 2000 network has become the cornerstone of EU nature conservation policy. It is indeed the key instrument that aims to effectively prevent Noah’s Ark from sinking.

The Appropriate Impact Assessment and Authorisation Requirements of Plans and Projects likely to have significant impacts on Natura 2000 sites


3 Article 2(1).

4 Article 2(2).

5 AG Sharpton opinion in Case C-258/11 Peter Sweetman [2012] nyr, para. 46.

6 Nothing prevents Member States to designate the same site as both a Special Protection Area (SPA) and a Special Area of Conservation (SAC). As a result, such areas fall within the ambit of both the Birds and the Habitats Directives.

steps are taken with a view to maintaining and/or restoring habitats.\(^8\)

The second paragraph ‘imposes an overarching obligation to avoid deterioration or disturbance’.\(^9\) The general binding regulatory framework intends to cover the whole set of human activities capable of causing:

a) ‘deterioration of natural habitats and the habitats of species’, irrespective of their nature; and

b) ‘disturbances of species’, where such disturbances are significant.

The Court of Justice of the European Union (CJEU), has described paragraph 2 as ‘a provision which makes it possible to satisfy the fundamental objective of preservation and protection of the quality of the environment, including the conservation of natural habitats and of wild fauna and flora, and establishes a general obligation of protection consisting in avoiding deterioration and disturbance which could have significant effects in the light of the directive’s objectives’.\(^10\) However, the preventive obligation encapsulated in Article 6(2) is not an absolute one. The 3rd and 4th paragraphs set out a series of procedures to be followed in the case of plans or projects that are not directly connected with or necessary to the management of the site. Accordingly, these two paragraphs are not concerned with the day-to-day operation of the site.\(^11\)

Under Article 6(4) a plan or project may, in spite of a negative assessment of the implications for the site and in the absence of alternative solutions, be carried out for imperative reasons of overriding public interest, including those of a social or economic nature, if the Member State takes all compensatory measures necessary to ensure that the overall coherence of Natura 2000 is protected. Such derogations are applicable only after the implications of the project or the plan have been studied pursuant to the conditions laid down under Article 6(3). Accordingly, an Appropriate Impact Assessment (AIA) must be conducted thoroughly in order to ascertain that the plan or the project is not likely to impair the site’s integrity. The obligation to carry out a genuine AIA is of utmost importance for the sake of habitats conservation. Firstly, as a matter of principle, negative conclusions preclude the adoption of the plan or the granting of the license. Secondly, in case the proposal is likely to be authorised in accordance with overriding interests, experts must assess whether alternatives exist which have a lesser adverse effect on the area. Thirdly, experts can determine the compensatory measures that are likely to be required in case the development is taking place in accordance with Article 6(4).\(^12\) It flows from that that the experts conducting the AIA must show a high level of competence with respect to nature conservation issues.

As a consequence, questions arise as to their independence as well as to the quality of the assessment. The aim of this article to shed the light on the procedural requirements laid down under Article 6(3) and (4) of the Habitats Directive, a key provision for implementing the EU’s system of protecting and preserving biological diversity in the Member States.\(^13\) The discussion will be structured in the following manner. Given that Article 6(3) distinguishes two stages, chapters 2 and 3 examine the assessment procedure and the authorisation scheme. Chapter 4 is dedicated to the possibility for the Member States authorising a plan or a project adversely affecting the integrity of a protected site. Lastly, there will be a discussion in chapter 5 of the relationship between the different impact studies provided for under EU environmental law.

2 Appropriate Impact Assessment (Article 6(3) first phrase)

2.1 Introductory comments

In order to preserve classified habitats from development or other activities likely to alter their ecological integrity, Article 6(3) provides for a sui generis prospective impact study of the environmental effects applicable to ‘any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in combination with other plans...’

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8 Article 6(1) requires the adoption of ‘necessary conservation measures’ for habitats located within a SAC. Special conservation measures’ relating to the habitats of a SAC consist of the adoption of ‘appropriate management plans specifically designed for the sites or integrated into other development plans’. Management plans are vitally important as they set the Site Conservation Objectives (SCOs). The SCOs therefore play an important role in the Appropriate Impact Assessment (AIA) procedure (infra).

9 Article 6(2) of the Directive obliges the Member States to take ‘appropriate steps to avoid, in the special areas of conservation, the deterioration of natural habitats and the habitats of species as well as disturbance of the species for which the areas have been designated, insofar as such disturbance could be significant in relation to the objectives of this Directive’. The CJEU has on several occasions offered clarifications relating to the implementation of Article 6 of the Habitats Directive. The following cases deal with the transposition of Article 6 of the Habitats Directive: Case C-374/98: Commission v France (‘Bassines Corbiéres’) [2000] ECR I-10799; Case C-324/01: Commission v Belgium [2004] ECR I-11197; Case C-75/03: Commission v Luxembourg [2003] ECR I-1885; and Case C-143/02: Commission v Italy [2003] ECR I-2877.


11 Opinion AG Sharpston in Case C-258/11 Peter Sweetman [2012] nr, para. 45.

12 Opinion AG Kokott in Case C-384/05 Commission v Italy [2007] ECR I-7495, para. 54.

or projects’. In other words, the AIA procedure applies to either plans or projects that:

a) have no relationship with the management of the site; and
b) create a risk of a significant effect on the site.

According to the CJEU, Article 6(2) cannot be applied concomitantly with Article 6(3). For clarity, we shall use the acronym AIA (‘appropriate impact assessment’) in order to distinguish that assessment from the broader EIA (‘environmental impact assessment’ in Directive 85/337/EEC codified by Directive) and SEA (‘strategic environmental assessment’ in Directive 2001/42/EC).

2.2 Which plans and which projects are subject to an AIA?

2.2.1 Broad interpretation of the concepts

The Habitats Directive has defined neither the concept of the plan nor the project. However, in sharp contrast to the EIA Directive, it does not introduce any threshold as to the nature, the location, the size, the level of impact of the projects and plans falling within its scope of ambit. As a matter of law, where the EU lawmaker wishes to limit the obligation to carry out an EIA, it makes express provision to that end in laying down specific thresholds.14

It follows that whilst plans and projects which are directly related to or necessary for the management of a site are not subjected to an impact study (e.g., the woodcutting foreseen in the management plan for a Natura 2000 forestry site), all other plans or projects capable of having a significant effect on the area must be assessed in accordance with procedures set in place by the Member States. The concepts of ‘project’ and ‘plan’ must be interpreted broadly15 due, on the one hand, to the wording of Article 6(3) covering ‘any plan or project’, and, on the other hand, the conservation objectives on the strength of which SACs are set up16. For instance, national courts as well as the CJEU have been holding that the following activities qualify as ‘plans or projects’ for the purposes of this provision:

- amendments of territorial management plans allowing for the operation of a rubbish dump17; and
- annual permits to fish molluscs in a SPA18; and
- alteration to an urban development plan comprising a series of industrial construction projects19.

Lastly, several Member States took the view that projects or plans not subject to national authorisation schemes are falling outside the ambit of Article 6(3). In effect, the first phrase of that provision merely requires that ‘any plan or project’ shall be subject to appropriate assessment without requiring a formal development consent procedure. However, given that the second sentence of that paragraph requires that ‘the competent national authorities shall agree to the plan or project’, a formal consent procedure is implicitly required. In effect, a consent procedure should be required to ensure that, firstly, reasons are given as to why environmental damage is being permitted, and secondly, so these reasons can be used to guide appropriate compensatory measures20. What is more, given that developers are required to limit their impacts on the site’s integrity as much as possible, formal consent is needed in order to properly set out the mitigation measures.

2.2.2 What projects or plans are likely to have a significant impact?

Only plans and projects that are ‘likely’ to have a ‘significant’ effect on the area are subject to the AIA. Two components must be distinguished.

- Interpretation of the terms ‘likely to occur’. Firstly, the effect is ‘likely’ to occur. The first question to answer is thus whether the plan or project is ‘likely’ to have an effect. As regards the transposition of Article 6(3) and (4) of the Habitats Directive, the CJEU has held that Article 6(3) makes the requirement for an AIA of the implications of a plan or project conditional on there being ‘a probability or a risk that that plan or project will have a significant effect on the site concerned’21.

However, the terms ‘likely to have [an] effect’ used in the English-language version of the text appear to be stricter than the ones used in the French version ("susceptible d’affecter"), the German version ("beeinträchtigen könnte"), the Dutch version ("gevolgen kan hebben"), and the Spanish version ("pueda afectar"). According to AG Sharpston, each of those versions suggests that the test is set at a lower

15 Regarding the scope of the EIA Directive, the CJEU has stated on numerous occasions that its scope is very wide. See Case C-72/95 Kraaijeveld and Others [1996] ECR I-5403, para. 31; Case C-435/97 WWF and Others [1999] ECR I-5613, para. 40; Case C-207 Abraham and Others [2008] ECR I-10097, para. 28.
16 Opinion AG Fenney in Case C-374/98 'Basses Corbières' at para. 33; and opinion AG Kokott in Case C-127/02 Waddenze, at para. 30.

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18 Mitigation measures are those that are part of the plan or programme: for example, in building a highway, tunnels could be made so as not to obstruct the movement of small mammals; or highways could be insulated to reduce noise impacting upon bird breeding areas. On the other hand, compensatory measures can be carried out outside the immediate scope of the plan or programme. For example, developers may purchase land elsewhere to ‘compensate’ for the damage caused by putting a highway through an area used by various species of birds for feeding or nesting.
20 Case C-179/06 Commission v Italy [2007] ECR I-8131.
21 Case C-127/02 Waddenze, at paras. 21-29.
level than under the English-language version. As a result, the English terms ‘likely to’ mean ‘possible’ or ‘potential’ and must not be understood as requiring absolute proof that a risk will occur. The question arises as to how to determine the likelihood or the possibility of a significant impact. According to the CJEU, “[i]n the light, in particular, of the precautionary principle, such a risk exists if it cannot be excluded on the basis of objective information that the plan or project will have a significant effect on the site concerned”.

- **Interpretation of the term ‘significant’**. The second requirement that the effect in question be ‘significant’ exists in order to lay down a *de minimis* threshold. In other words, ‘significance’ operates as a threshold for determining whether an appropriate assessment of the implications of the project should be conducted. In contrast, plans or projects that are deemed not to have such effects could proceed without further procedural requirements. Given that there is no legal definition of the term ‘significant’, the question arises as to how the plan or project is determined to fall below a threshold of ‘significance’. The issue of significance is of the utmost importance and can give rise to heated debates. Moreover, one should take into account that ‘significance’ can vary tremendously according to the size of the area. In effect, small habitats containing unusual and particularly delicate species may react much more sharply than other less ‘sensitive’ protected sites to a given type of external effect. For example, the loss of 100 square metres of chalk grasslands can have significant implications for the conservation of a small site hosting rare orchids, whereas a comparable loss in a larger site (such as a steppe) does not necessarily have the same implications for the conservation of the area.

The recent Sweetman judgment offers a typical illustration of the soundness of that interpretation. In effect, the CJEU ruled that a road scheme involving the permanent loss of a site of a small percentage of a site of a small site hosting rare orchids, entails a significant effect where ‘it is considered not likely to adversely affect the integrity of the site concerned and consequently, not likely to give rise to deterioration or significant disturbances within the meaning of Article 6(2). Given that opinions may vary regarding whether or not there is a significant effect, it may be necessary at this preliminary stage to invite the public or stakeholders to express their opinions. In other words, the assessment of the significance could be made the subject of a statement of reasons, consultation of specialised authorities and enhanced public participation. Furthermore, the fact that the Habitats Directive requires assessment of the projects likely to have significant effects is not merely a question of drawing the line between small and large-sized projects. As the CJEU already stated with respect to the EIA procedure ‘even a small-scale project can have significant effects on the environment if it is in a location where the environmental factors […] such as fauna and flora, soil, water, climate or cultural heritage, are sensitive to the slightest alteration’.

- **The determination of the ‘significance’ of the effects**. The ‘significant’ nature of the impact of the plan or project must be interpreted objectively in light of the Site Conservation Objectives (SCOs), the particular characteristics and the environmental conditions of the protected site. SCOs are ‘the specification of the overall target for the species and/or habitat types for which a site is designated in order for it to contribute to maintaining or reaching favourable conservation status’. Management plans adopted under Article 6(1) are vitally important as they set these objectives. The SCOs are thus essential to streamline the management of the site and to assess whether or not the project or plan has a ‘significant’ impact upon the site. Accordingly, the CJEU has held that any activity compromising the SCOs, which apply to the area, is assumed to have a significant effect.

28 Case C-127/02 Waddenzeew, at para. 36.
31 There are several references to the term ‘conservation objectives’ in the preamble of the Directive as well as an explicit mention of it in Article 6(3). As far as national laws are concerned, in Germany Article 33(3) of the Bundesnaturschutzgesetz (fNSchG) (Federal Nature Protection Law) requires that the ‘protection declaration’ shall set out the protection purpose (Schutzweck) in accordance with the SCOs. In France, the ‘document d’objectifs’ (the management plan), sets SCOs and indicators in order to assess their fulfilment. In the UK, the SCOs are ‘the starting point from which management schemes and monitoring programmes may be developed as they provide the basis for determining what is currently or may cause a significant effect’. In the Walloon Region of Belgium, SCOs (called ‘active management objectives’) are adopted in the Natura 2000 site designation decree and have statutory force.
32 Case C-127/02 Waddenzeew, at para. 48. See also opinion AG Kokott also in Waddenzeew, at para. 85.
2.2.3 Screening: prior assessment of the plan or project’s significance

As indicated above, in order to be assessed the plan or project must be likely to have a ‘significant’ effect. Given that thousands of project categories could have an impact on sites, the question arises as to which criteria is needed to assess them. Most of the Member States do have screening devices aiming at determining which projects have to comply with the full procedural requirements.

Screening can be seen as the preliminary stage of the assessment. It can be defined as the process through which the experts are assessing whether the plans or projects at issue are likely to have a significant impact. In doing so, the experts decide whether a full assessment should be conducted. In other words, the ability at that stage to determine whether the plan or the project is likely to have a significant impact triggers the whole AIA process.

One could draw a distinction between the screening exercise seen as a prior assessment and with that of the full assessment (AIA) (see the table below).

<table>
<thead>
<tr>
<th>PRIOR ASSESSMENT</th>
<th>Screening (on abstract level)</th>
<th>Determine whether there is likely to be a significant effect triggering the full assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>FULL ASSESSMENT</td>
<td>Screening (on concrete level)</td>
<td>Determine the extent to which the impact is significant</td>
</tr>
</tbody>
</table>

It must be stressed that such broad screening does not jeopardize the project; it just requires the full assessment of the effects of the project to be conducted from a preventative perspective.

It must also be kept in mind that in screening the likely significance of the impacts, the authority cannot take into account mitigation as well as the proposed compensatory measures. The potential impacts of the plan or project must be assessed in their own right, irrespective of further measures that could mitigate or compensate for their potential adverse effects. By way of illustration, a developer cannot claim that his or her project would not have a significant adverse effect considering the proposed mitigation measures or habitat restoration proposals on a locally distinct site. This reasoning is predicated on the assumption that the design of the nature, location and size of mitigation and compensatory measures can only be dealt with at the AIA level.

2.2.4 Advantages and drawbacks of screening methods

There are two main ways in which the screening could be operated. Regarding the implementation of the Habitats Directive, the ‘significance’ criterion is usually determined either by a case-by-case approach or in laying down thresholds or criteria.33

1. The quantitative approach: setting thresholds or criteria.

Advantages: enhances legal certainty in reducing the authority’s discretion.

Drawbacks: This first option is more controversial as it is very difficult, from an ecological point of view, to guarantee that the plans and projects will never have a significant impact. For instance, given that the thresholds might be too high, or inaccurate, many projects or plans that may have a significant impact could escape the full assessment procedure.35 In addition, such thresholds preclude the implementation of the precautionary principle.

2. The qualitative approach: case-by-case analysis

Advantages: given that the impacts of a plan or project are highly contingent/variable, their significance is likely to increase with respect to many factors, for instance, proximity, the size of the project, or additional or cumulative effects of pre-existing projects. As far as these cumulative effects are concerned, the CJEU confirmed in the Waddenzee case that Article 6(3) first sentence requires the significant effect to be taken into account not only ‘individually’ but also ‘in combination with other plans or projects’. As a result, the cumulative impact with other projects must be considered. That can be done only through a case-by-case approach. For instance, an additional highway in an area honeycombed with roads will slightly modify the ecology of the site whereas the construction of a minor road in a pristine road-less area is likely to have a significant impact. To conclude with, a qualitative (not quantitative) approach is better suited for Natura 2000 sites.

Drawbacks: a case-by-case approach might be seen as a somewhat cumbersome procedure because the likely significance of the plan or project must be established before the full AIA is conducted. In other words, it requires the authority to ensure that at this preliminary stage some assessment is conducted.

According to CJEU case law, the discretion left by the Habitats Directive does not preclude judicial review of

33 See also Article 4(2) EIA Directive.
34 In establishing criteria and/or thresholds at a level such that, in practice, all projects of a certain type would be exempted in advance from the requirement of an impact assessment the Member States would exceed the limits of their discretion. See Case C-392/96 Commission v Ireland [1999] ECR I-5901, paras. 75 and 76.
the question as to whether Member States have exceeded their margin of appreciation. Indeed, it is settled case law that national authorities cannot rely exclusively on abstract criteria to decide whether the project or plan needs to be assessed or not. In that respect, two CJEU judgments are crystal clear: In Case C-256/98 Commission v France the CJEU held that the French regime providing that an AIA could be waived because of the low cost of the project or its purpose was inconsistent with the Directive. In Case C-98/03 Commission v Germany the CJEU held that the restriction of AIA to projects subject to notification or authorisation procedures were inconsistent with Article 6 requirements. As a result, Germany had to amend the Bundesnaturschutzgesetz: every activity affecting a Natura 2000 site must now be regarded as a project.

2.2.5 Splitting of plans and projects

With the aim of avoiding the assessment procedure, developers might be willing to split the project or the plan into several smaller units (highway or motorway being split in a series of 2 kilometres long projects to avoid a 2.5 kilometres EIA threshold), neither of which individually requires a permit as they are deemed not to entail significant effects. However, the cumulative impacts of a flurry of small projects can be significant. Viewed individually these projects may fall below the significance threshold; however, seen in combination with other projects (tyranny of small decisions phenomenon), they may have significant impacts. As a matter of EU law, one must not consider the project in isolation if it can be regarded as an integral part of more substantial development. Accordingly, the CJEU took the view that: ‘[n]ot taking into account of the cumulative effect of projects means in practice that all projects of a certain type may escape the obligation to carry out an assessment when, taken together, they are likely to have significant effect on the environment’.

This points to the conclusion that any administrative practice allowing a splitting of projects or plans that could be regarded as an integral part of a specific development is inconsistent with the objectives of the Habitats Directive.

2.3 Content of AIA

2.3.1 Background against which the appropriate assessment must be carried out

The authority is called upon to assess the significant impact of the plan or project in terms of:
- ‘its implications for the site in view of the sites SCOs;’
- the site’s integrity, as defined in the SCOs.

Firstly, the assessment has first to identify the SCOs, and second to assess the manner in which the project or plan could jeopardise the realisation of these objectives. Secondly, under Article 6(3), second phrase, the effects on the integrity of the site have to be assessed. Given that the requirement of ‘integrity’ is set out in the second sentence of Article 6(3) of the Habitats Directive, we shall provide a more detailed analysis of this second requirement in the next chapter.

By way of illustration, the main SCO of Glen Lake SPA in Ireland is to protect the Whooper Swan (Cygnus cygnus), a species listed under Annex I of the Birds Directive. The CJEU held that drainage works carried out within the SPA adversely affected the integrity of the site within the meaning of the second sentence of Article 6(3). The Court reached the conclusion that ‘since conservation of the whooper swans’ wintering area is the principal conservation objective of the SPA, its integrity was adversely affected within the meaning of the second sentence of Article 6(3) of the Habitats Directive.’

2.3.2 Soundness of appropriate assessment

The Natura 2000 AIA must be ‘appropriate’ having regard to the SCOs of the particular site (Article 6(3)). As regards the concept of ‘appropriate assessment’, the CJEU has already pointed out that ‘the provision does not define any particular method for carrying out such an assessment’. Nonetheless, in analysing the rationale of Article 6 as well as the Directive’s objectives it is possible to highlight a number of components of an ‘appropriate’ assessment. Of importance is that the scope and content of an AIA depends upon the:
- intensity of the impacts according to the nature, location (current use of the land, relative abundance of the natural resources) and size of the proposed plan or project;

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36 See C-256/98 Commission v France, para. 35.
39 It must be noted that the CJEU ruled that various splitting practices were inconsistent with the EIA Directive: Case C-431/02 Commission v Germany [1996] ECR I-2399; and Case C-14207/07 Ecologistas en Accion-Coda v Ayuntamiento de Madrid [2009] ECR I-6097, at para. 29.
40 It is settled case law that ‘where a plan or project not directly connected with or necessary to the management of a site is likely to undermine the site’s conservation objectives, it must be considered likely to have a significant effect on that site.’ See Case C-127/02 Waddenzee, at para. 49; and Case C-358/01 Peter Swartman [2012], para. 30.
42 On the concept of appropriate evaluation, see the Opinion of Advocate General Kokott in Waddenzee, at paras. 95-96.
43 Case C-127/02 Waddenzee, at para. 52.
- vulnerability of the habitats or species under protection (regenerative capacity, absorption capacity); and  
- level of existing threats.

In particular, the CJEU has been stressing the need to conduct AIAAs as sound as possible: ‘the assessment … cannot have lacunae and must contain complete, precise and definitive findings and conclusions capable of removing all reasonable scientific doubt as to the effects of the works proposed on the protected site concerned’. According, the assessment is not deemed to be appropriate where reliable and updated data are lacking. This statement requires a few words of explanation.

2.3.3 Best scientific knowledge in the field

The CJEU has stressed that the assessment must be carried out ‘in the light of the best scientific knowledge in the field’. Thus the experts conducting the assessment must show a high level of competence with respect to nature conservation issues. As a matter of fact, failure to take into account the whole set of impacts from a genuine scientific perspective will lead to a narrow assessment which fails to provide the competent authority with the relevant information. Therefore, such an assessment should be deemed inconsistent with the concept of ‘appropriateness’ required by the Habitats Directive.

However, neither the lawmaker nor the CJEU require that scientific advice must be based on the principles of excellence, independence, and transparency. Given that in a number of Member States assessors are appointed and paid by the operator or the competent authority itself, the question arises as to whether the assessors are independent of the vested interests.

In this connection, the recent Seaport judgment is a good case in point regarding the absence of independence of assessors under the Strategic Environmental Assessment (SEA) Directive. When asked whether an authority responsible for drawing up a development plan may be designated as the sole scientific authority to be consulted under the SEA Directive, the Court of Justice held that the directive did not prevent the authority from wearing two hats. It follows that whilst the obligation to consult must be functionally separated, it need not be institutionally separated. By adopting such a minimalist approach to the obligation to consult provided for under the directive, the Court departed from the opinion of Advocate General Bot. It is clear that the Court’s reading of the SEA Directive does not satisfy the objective of transparency in the national decision-making process pursued by the EU legislature. Indeed, it is the contribution of external expertise to that of the authority that creates and fuels debate, results in constructive criticism, and even offers alternative solutions to the planned project. Requesting the authority adopting the plan or the programme to be an independent expert in the procedure to which it is a party may appear to be somewhat schizophrenic.

2.3.4 Material range of effects

In assessing the intensity of the impacts, the AIA must in particular take into account the following effects.
- The specific, and not abstract, effects of the plan or project on every habitat and species for which the site was classified;  
- The indirect effects of the project, impacts which are not the direct result of the project, but the result of complex pathways;  
- The interrelated effects, the interactions between the impacts stemming from other projects within or outside the area;  
- The cumulative effects of the project with other proposed or existing projects must also be taken into consideration. Even the cumulative effects of more negligible impacts are to be taken into account. These impacts result from incremental changes caused by other past, present, and future actions interacting with the project at issue. The ‘in combination’ requirement (Article 6(3), first sentence) means that the content of the assessment should not be restricted to the effect arising from the project in consideration, but also the effects stemming from existing plans or projects not under consideration in the approval procedure. Likewise, the CJEU has stressed in the

46 Case C-127/02 Waddenze, Waddenze, at para. 54. By the same token, Member States are required to adopt conservation measures in favour of endangered bird species using the most up-to-date scientific data. See Case C-355/90 Commission v Spain [1993] ECR I-4221, para. 24; and Case C-418/04 Commission v Ireland [2007] ECR I-10947, para. 47. With respect to the designation of protected sites, it must be noted that public authorities do not always have a monopoly over scientific knowledge. For instance, a review of the classification by national authorities of natural habitats for wild birds may be made reference to scientific inventories drawn up by NGOs. See Case C-139/96 Commission v Netherlands [1998] ECR I-3031; and Case C-188/04 Commission v Ireland [2007] ECR I-10947, paras. 51 and 55.  
47 See the different cases discussed in National Implementation of Council Directive 92/43/EC.

48 Regarding food safety, the EU courts have been setting out such a requirement. See Case T-1399 Pfister [2002] ECR II-3305, para. 158.  
49 50 In view of the overall assessment of the effects of projects required by the EIA Directive, it would be simplistic and contrary to that approach to take account, when assessing the environmental impact of a project or of its modification, only of the direct effects of the works envisaged themselves, and not of the environmental impact liable to result from the use and exploitation of the end product of those works. See Case C-267 Abraham and Others [2008] ECR I-1197, paras. 42 and 43; Case C-142/07 Ecologistas en Accion-Coda v Ayuntamiento de Madrid [2008] ECR I-4097, para. 39.)
Waddenzee case the need to take into account ‘the cumulative effects which result from the combination of that project with other plans or projects’.

- The short and long-term effects of the plan or the project.
- The reversible and irreversible effects of the plan or the project.
- Since it is important to consider the possibility of alternative solutions to the plan or project (required under paragraph 4), the assessor could also determine – though this is not compulsory under paragraph 3 – whether such solutions do in fact exist, including the alternative of cancelling the project entirely (zero option).

Last but not least, the assessor could also propose an appropriate compensation package – though this is not compulsory under paragraph 3 – depending on the circumstances of the case. These measures must envisage the prevention, reduction and where possible the offset of any significant impact on the site’s integrity. These measures may allow the objections to the project to be overcome.

The following table sets out the different effects that should be dealt with.

<table>
<thead>
<tr>
<th>SORT OF IMPACTS TO BE ASSESSED</th>
<th>PROVISIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific, and not abstract, effects</td>
<td>Article 6(3), first sentence</td>
</tr>
<tr>
<td>Indirect effects</td>
<td>By analogy to the case law on Directive 85/337</td>
</tr>
<tr>
<td>Interrelated &amp; cumulative effects</td>
<td>Article 6(3), first sentence; C-127/02, Waddenzee, para. 53</td>
</tr>
<tr>
<td>Short and long-term impacts</td>
<td>Ratio legis of Article 6</td>
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<tr>
<td>Reversible and irreversible impacts</td>
<td>Ratio legis of Article 6</td>
</tr>
<tr>
<td>Alternative solutions and mitigation measures</td>
<td>Not required under para. 3 but implicitly from para. 4</td>
</tr>
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</table>

2.3.5 Uncertain effects

Although the conductors of AIAs seem unable or reluctant to identify, according to the precautionary principle (Article 192(2) TFEU), even those damages which are still uncertain, this author’s view is that uncertainty should prompt the authority to err on the side of caution in requiring at the screening stage a full assessment. Indeed, since the AIA must cover plans and projects ‘likely’ to affect a site, the conductor of the impact study must be able to identify, in accordance with the precautionary principle, even those damages which are still uncertain. Therefore, uncertainty should naturally involve the search of further information as to the real existence or extent of a risk.

2.3.6 Geographical range of effects

The geographical range of the AIA is not only limited to activities carried out in protected areas, but must also cover any plan or project located outside the site which is likely to have a significant effect on the conservation status of the classified area. Thus, even more distant polluting activities (for example, polluting activities located upstream from a protected wetland) must be subject to an AIA provided there is a probability or a risk of significant impact. Accordingly, the material nuisances caused outside the protected sites have to be taken into account.

2.3.7 Alternatives and compensatory measures

Although there is no obligation as such at the AIA level to assess the alternatives and the compensatory measures, it appears that the decision-making process

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51 Case C-127/02 Waddenzee, at para. 53.
52 For instance, the impacts of climate change on habitats are just emerging and their impacts have not yet been fully recognized.
53 Regarding the irreparable destruction of a priority habitat, see Case C-258/11 Peter Sweetman [2012], para. 43.
54 The authorities are called upon to examine ‘solutions falling outside’ the site: Case C-238/04 Commission v Portugal [2006] CER I-10183, at para. 36.
55 Managing Natura 2000 Sites, page 38.
57 Case C-127/02 Waddenzee, at para. 44.
is improved whenever these elements are taken into consideration by the assessors.

2.3.8 Concluding remarks
To conclude with, the information gathered in the course of the assessment must be characterised by its predictive quality. Put simply, the assessment is an exercise in prediction. Given that the assessment might become more complex while dealing with synergistic and long-term risks, the experts should extrapolate (from the information gathered) the level of risk with a view to triggering an anticipatory approach (e.g., the authorisation cannot be granted unless mitigation measures are endorsed).

3 Substantive Decision Criterion (Article 6(3) second phrase)

3.1 Introductory comments
Article 6(3) provides that ‘in the light of the conclusions of the assessment of the implications for the site and subject to the provisions of paragraph 4, the competent national authorities shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the site concerned’. The aim of this third chapter is thus to explore some of the key issues arising in the implementation of this requirement.

3.2 Impact of Article 6(3) of the Habitats Directive on national procedural law

3.2.1 Express authorisation
Plans and projects covered by Article 6(3) must be authorised by an express act, subject to various conditions, which will determine the rights and obligations of the parties involved. In effect, the authorities must expressly mark their agreement on the project or plan. It follows that implicit authorisation regimes that would render any impact study irrelevant are incompatible with the requirements of Article 6(3). This means that a notification mechanism would not satisfy the requirements of the Habitats Directive.

As a matter of procedure, the wording of this provision implies that where a risk of significant impact on the site of plans or projects is assessed, it is also necessary for the developer or operator to obtain the authorisation or express and written (and reasoned) approval of the relevant authority. In other words, the developer must obtain a permission giving him or her the right to develop in accordance with the conditions laid down by the public authorities. Accordingly, the correct implementation of Article 6(3) of the Habitats Directive therefore requires Member States to set up a legal framework covering such plans and projects (whether specific or not: the amendment of legislation applying to listed installations would be sufficient). However, in the majority of the Member States, no specific Natura 2000 licences have been issued yet. To make matters worse, activities such as grazing, hunting, fishing, camping, and canoeing, are not always subject per se to authorisations.

3.2.2 Stage at which formal consent must be granted to developer
Attention should also be drawn to the fact that consent procedures can be somewhat awkward. A phased project might be carried out provided it is subject to several consents (e.g., planning permission, industrial operations consent, water extraction or water discharge consent, etc.). The following questions arise: which of these decisions properly constitute development consent and, as a result, trigger the procedural requirements in paragraph 3? Should the screening assessment or the full assessment apply at every stage and for any decisions? Or, should the assessment requirements apply exclusively at a particular stage? The Habitats Directive does not offer any answer to these questions. Reasoning by analogy, it is worth noting that the CJEU held, in Wells, that where a consent procedure comprises several stages, the EIA requested under the EIA Directive must be carried out as soon as possible.

3.2.3 Circumventing formal administrative consent by legislative acts
Another problem can occur when the legislature confers a legislative force to individual permits in order to prevent administrative or judicial review of the project. Such a system is provided in Belgium by the Flemish and Walloon legislation in order to allow major projects to be implemented without any control from the Belgian Conseil d’Etat (supreme

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59 Opinion AG Kokott in Case C-127/02 Waddenzee, at para. 98.
60 Here an analogy can be drawn with Court’s jurisprudence on so-called tacit permits: Case C-360/87 Commission v Italy [1991] ECR I-791, at paras. 30 & 31; and Case C-131/88 Commission v Germany [1991] ECR I-825, at para. 98.

62 The EIA Directive defines the consent as ‘the decision of the competent authority or authorities which entitles the developer to proceed with development’.
63 However, the Swedish Environmental Code provides for a specific Natura 2000 authorisation, which must be granted in addition to traditional urban or environmental licences. A similar system has been set out in the UK. Under French law, the competent authority may request a specific license for activities that are, as a matter of law, not subject to a permit (Article L 414-4, IV French Environmental Code). In the Belgium Walloon Region, the Government may request that any activity, which is not yet subject to a ‘traditional’ licence, be subject to a specific permit (like farm or forestry practices or recreational activities). Accordingly, land consolidation, drainage or contour modification operations imposing upon the conservation of SPAs and SACs must all be submitted for assessment and authorisation, even if they would not otherwise be submitted to such procedures under national law.
64 Case C-201/02 Wells [2004] ECR I-723, at para. 54.
65 Ibid.
administrative court). This option not only puts the separation of powers at stake but is also in breach with the Aarhus Convention and related EIA Directives. Furthermore, the Article 6 obligations are incumbent on the Member States regardless of the nature of the national authority with competence to authorise the plan or project concerned. Consequently, the legislative authority has to comply with the AIA requirements.

3.3 Plan and the project can be authorised in as much as it will not affect integrity of site

3.3.1 No adverse effects on integrity of site

In order for the project to be authorised, Article 6(3) requires that the competent authority additionally ensures that ‘it will not adversely affect the integrity of the site concerned and, if appropriate, after having obtained the opinion of the general public’. In appraising the scope of the expression ‘adversely affect the integrity of the site’ in its overall context, the CJEU has made clear that ‘the provisions of Article 6 of the Habitats Directive must be construed as a coherent whole in the light of the conservation objectives pursued by the directive’. In other words, a plan or a project may be agreed to insofar as the authorities are convinced that the site’s integrity will not be adversely affected. It therefore follows that a negative assessment obliges authorities to refuse consent for the project that is likely to deteriorate the site’s integrity. In other words, the authority must be convinced that the negative effects will not occur.

‘Integrity’ is not only a key concept but is also an EU law concept which must be interpreted independently. However, it is not at all clear what is meant by the obligation to assess the significance of the effects in the light of the integrity of the site. Whereas, a number of language version (English, French, Italian) use an abstract term (integrity), some other language versions are more concrete. Thus, the German text refers to the site ‘als solches’ (as such). The Dutch version speaks of the ‘natuurlijke kenmerken’ (natural characteristics) of the site. Notwithstanding those linguistic differences, AG Sharpston took the view that it is ‘the essential unity of the site that is relevant’. As a result, the notion of ‘integrity’ must be understood as referring to the continued wholeness and soundness of the constitutive characteristics of the site concerned.

The CJEU endorsed in Sweetman the AG’s reasoning: ‘in order for the integrity of a site as a natural habitat not to be adversely affected for the purposes of the second sentence of Article 6(3) of the Habitats Directive the site needs to be preserved at a favourable conservation status; this entails, the lasting preservation of the constitutive characteristics of the site concerned that are connected to the presence of a natural habitat type whose preservation was the objective justifying the designation of that site in the list of SCIs, in accordance with the directive.’

Further guidance has been provided by the European Commission. The meaning of the concept must be understood in the light of a number of criteria, including:

- coherence of the ecological structures;
- resilience of the habitats to change;
- ability of the habitats to evolve in a sense favourable to conservation;
- inherent potential for meeting SCOs; and/or
- self-renewal without external management support.

As a result, the AIA does provide a positive means by which the granting of permission may either be refused or made conditional. Put simply, the assessment’s conclusions shape the substantive outcomes of the decision. The site’s integrity comes first, development second. This reasoning is predicated on the assumption that most of the land in the Member States is subject to development whereas only a small percentage falls within the ambit of the Natura 2000 network. As a result, development occurring in the protected areas must be subject to a web of procedural conditions with a view to reducing the adverse effects as much as possible. This legal reasoning stands in stark contrast to the EIA Directive, which does not prevent the authority granting permission despite the fact that the conclusions of the assessment are negative.

3.3.2 Precautionary decision-making

Authorisation can only be given where the AIA demonstrates the absence of risks in relation to the integrity of the site. If there is any lingering uncertainty over the subsequent manifestation of risks, the term ‘ascertain’ would require, according to CJEU case law and in line with the precautionary principle, that the competent authority refrain from issuing the authorisation. In other words, where there is any

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68 Case C-182/10 Solvay and Others [2012] nyr, para. 52.
69 Ibid, para. 69.
70 Case C-258/11 Peter Sweetman [2012] nyr, para. 32.
71 In Case C-127/02 Waddenzee, the CJEU stressed that the national authorities are to be ‘convinced’, and that they can grant consent only if they have made certain that it will affect the integrity of the site (at para. 59).
72 Opinion AG Sharpston in Case C-258/11 Peter Sweetman [2012] nyr, para. 52.
73 Ibid., para. 54.
75 Case C-127/02 Waddenzee, at para. 67.
reasonable doubt over the absence of any effects, authorities must refrain from issuing authorisations. 76 That being said, in accordance with the logic of the precautionary principle, authorities can order additional investigations in order to remove the uncertainty (if needed).

Lastly, the precautionary principle does not prompt a reversal of the burden of proof from the project opponent to the authority authorising the project or plan. Only in the L’Erablière case (Belgium Walloon Region), the Council of State, supreme administrative court, held that even if there was no strong evidence that the site had to be integrated into the Natura 2000 network, this was not a reason for not protecting it until the Commission has enacted the list of SCIs.

3.3.3 Participatory decision-making

Contrary to the EIA Directive that entitles individuals to express their opinion as to the likely significance of a project, Article 6(3) does not automatically ensure public participation. This is left to each Member States’ discretion. It should be noted here that this is a grey area and does not align with recent developments in international law: Member States are parties to the UNECE Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters adopted on 25 June 1998, that requires them to organise public participation for a wide array of projects and plans. Even when public participation is not provided for, it can be wise to provide opportunities for the wider public to take part in the public debate. As a matter of law, there are numerous ways in which public participation could be organised (conference, consultation, public debate, public inquiry, etc.). In addition, public participation should be organised as early as possible, if possible at screening level. Finally, in most of the national legal orders, the fact that someone participates in the decision-making process reinforces his or her right to standing and thereby in challenging the authorisation that will be issued. Furthermore, participation enhances the correct implementation of EU law, given that the public might raise questions as to the correct implementation of the Habitats Directive. Moreover, when a plan or a programme is subject to an AIA, it must also be subject to an SEA, which expressly entails a participatory process. 77

3.4 Statement of reasons

It goes without saying that the duty to state the reasons as to the weighing of conflicting interests narrows the discretion on the part of the authorities. Accordingly, the authority should disclose the rationale behind their decision. For instance, if an alternative option is not deemed to be possible, it must provide specific explanations as to which factors led it to choose the proposed development. However, there is no express obligation to state the reasons similar to the one laid down under Article 9 of the EIA Directive. Nonetheless, when the project falls within the ambit of the EIA Directive the authority is also being called upon to state the reasons.

4 Derogatory regime (Article 6(4))

4.1 Introductory Comments

The protection offered by the Directive is not absolute even if the assessors conclusions are negative. However, the plan may be adopted or the project may be authorised in as much as a number of conditions are fulfilled.

4.1.1 Derogation mechanism following negative findings in assessment

Environmental protection has more often given way to socio-economic considerations. For instance, in cases involving the overlap of administrative regulations, the solutions adopted by the national courts generally lean in favour of economic development rather than the conservation of natural resources. 78 Nature has thus paid a weighty tribute to the absence of any incorporation of environmental requirements into other policies. In adopting the Habitats Directive, the EU lawmaker struck a balance between the competing interests. Where it transpires that the AIA clearly shows that the project threatens the integrity of the site, in principle no authorisation can be issued. An exception is however provided for by Article 6(4) which is testament, according to Advocate General Kokott, to the principle of proportionality. 79 However, optimum environmental protection is assured by both procedural and substantive guarantees contained in

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77 See Article 3(2) SEA Directive.
78 For the convenience of representation, the impact of transport infrastructures on protected habitats have been chosen. Eg the construction of a highway across a Natura 2000 site in order to alleviate traffic was deemed to be an imperative reason of overriding public interest that justifies, by virtue of Art. 6(4) of the Habitats Directive, encroachments on priority habitats and species (BVerwG A 20.05 of 17 January 2007, BVerwGE 128 1). By the same token, the enlargement of a protected area within an existing industrial plant in order to complete the production of a jumbo jet was deemed to fulfil an imperative reason of overriding public interest on account that ‘the German authorities have demonstrated that the project is of outstanding importance for the region of Hamburg and for northern Germany as well as the European aerospace industry’ (Commission, C(2000) 1079 of 14 April 2000). In spite the fact that a number of specimens of the most endangered mammal in Europe, the Iberian lynx (Lynx lynx), were killed due to an increase in traffic, the conversion of a by-road into a regional motorway across a national park did not infringe the Habitats Directive’s obligations on the protection of that rare species (Case C-308/08 Commission v Spain [2010] ECR I-4281).
79 Opinion AG Kokott in Waddenze, at para. 106.
Article 6(4) of the Directive. Projects can only be implemented where:
- there are no alternative measures;
- their completion is justified by specific interests; where a challenged project is accepted, the Member States must implement compensatory measures in order to off-set the losses of habitats and guarantee the global consistency of the Natura 2000 network.

### 4.1.2 First condition: Absence of alternative solutions

The Habitats Directive makes the issuance of authorisations dependent on the absence of alternative solutions. First, only in the absence of alternative solutions could the authority allow for derogations under paragraph 4. Member States must therefore be able to demonstrate, where appropriate, that they have fully considered alternative solutions. Given that the obligation to seek the least damaging alternative encapsulates a preventative approach, the specific importance of that obligation is not difficult to fathom. However, given the traditional emphasis upon developers’ rights, one can expect a fair amount of resistance from the authorities to seek the least damaging alternative.

Considering the useful effect (effet utile) of the Directive, it is appropriate to give, keeping in mind the useful effect of the Community norm, a broad interpretation to the obligation to seek out the least damaging alternative for the conservation of the site. The obligation to seek the least damaging alternative should be at the heart of every AIA, with the particular aim of reducing the potential impact on the Natura 2000 site. Strictly speaking, it should be considered as a key feature of the assessment. As soon as it becomes possible for the Member State to achieve the same objective in a way that causes less damage to the conservation of the protected habitat, the initial project must be abandoned in favour of the alternative project. This means that it should not be possible to invoke the higher costs of alternative projects as a reason for excluding less damaging projects, except where the costs are disproportionately high. Nonetheless, the assessors have to overcome a number of hurdles, including:
- the difficulty in obtaining the relevant information, for example as needed for assessors to have something to compare and contrast and;
- the difficulty in comparing the ecological value of the development site and the proposed mitigation site given that developers’ property rights are usually limited to the site proposed for development.

In addition, the obligation to seek the least damaging alternative prompts a number of questions:
- What range of alternatives should be covered? The solutions could involve an array of measures ranging from alternative locations, alternative processes, different scales or design, or the zero-option or do-nothing alternative.
- What is the appropriate level of comparison? This raises the question of the level at which the comparison of alternatives should take place. For instance, it makes more sense not to compare the different routes that a motorway could follow but to compare different means of transportation.
- How should alternatives be compared? According to the Commission’s documents: ‘economic criteria cannot be seen as overruling ecological criteria’.
- Technical feasibility: Which are the reasonable sites for the proposed development? Must all alternatives be viable? Are the alternatives likely to be suitable? Are the alternative sites available?
- Territorial dimension: Should the assessor focus exclusively on a particular site or should he set out a broader approach? For instance, when assessing the opportunity of a harbour development, should the experts assess the port capacity with respect to other projects around the country, around the EU or around the globe (e.g., development in Tanger or in Singapore)?
4.1.3 Second condition: Weighing interests

In addition to the obligation to adopt the least damaging alternative possible, the advantages of the project must be carefully balanced against its damaging effects for the conservation of natural habitats. The proportionality principle plays a key role in this balancing of interests: a project justified by a fundamental interest with only a relatively minor negative impact will be more readily accepted than a particularly damaging project in which public interest is marginal. A fundamental distinction must, however, be established between habitats where protection is deemed to be important and those where it is not.

(i) Non-priority habitats and species

For non-priority habitats and species, ‘imperative reasons of overriding public interest, including those of a social or economic nature’ will justify the execution of the project. However, it would not be viable to give too broad an interpretation to ‘reasons of a social or economic nature’ which would run the risk of depriving the protection regime of any substance. Although in Lappel Bank the Court took care not to make any express statements on the range of ‘imperative reasons of overriding public interest, including those of a social or economic nature’, paragraph 41 of the judgment (‘economic requirements, as an imperative social or economic nature’, paragraph 41 of the judgment) nonetheless indicates that a restricted interpretation of ‘economic requirements’ must prevail. In any case, it is evident from the wording of Article 6(4) that economic requirements cannot be directly equated with ‘imperative reasons of overriding public interest’. 87 This means that the enlargement of a harbour or the construction of a road network cannot be authorised for the simple reason that it satisfies particular economic requirements (e.g., job creation or local economic development) but rather because it is intended to satisfy an overriding public interest (e.g., the opening up of a particularly isolated region, the necessity of substantially raising the standard of living of the local population). This interpretation has been endorsed in Solvay. The CJEU ruled that: ‘an interest capable of justifying, within the meaning of Article 6(4) of the Habitats Directive, the implementation of a plan or project must be both ‘public’ and ‘overriding’, which means that it must be of such an importance that it can be weighed up against that directive’s objective of the conservation of natural habitats and wild fauna and flora.’ 88 As a result, the mere

construction of infrastructure designed to accommodate a management centre cannot constitute an imperative reason of overriding public interest within the meaning of Article 6(4). 89

(ii) Priority habitats and species

On the other hand, greater weight has been given to ecological interests when the site hosts so-called priority habitats or species. 90 Accordingly, the Member State’s margin of appreciation is more limited since ‘the only considerations which may be raised are those relating to human health or public safety, to beneficial consequences of primary importance for the environment or, further to an opinion from the Commission, to other imperative reasons of overriding public interest’ (Article 6(4)). The authority can only grant the permission on the ground of this narrow set of interest. The fact that social or economic reasons are not expressly included in this second exception indicates that they are not covered by it. Therefore, Member States may not authorise the passing of a motorway through a nature reserve classified as a special conservation area hosting priority species where the impact study shows that the project will damage the integrity of the site. The Court of Justice has already taken the view that health protection objectives may prevail over those relating to nature protection. By way of illustration, a project jeopardizing a wild bird sanctuary protected under the Wild Birds Directive can be authorized insofar as it wards off the risk of floods. 91 By the same token, irrigation and the supply of drinking water can be of such an importance that such projects can be weighed against the Habitat Directive’s objective of conservation of natural habitats and wild fauna. 92 Although it adversely affects the integrity of a Natura 2000 site, the conversion of a natural fluvial ecosystem into a largely man-made structure in Northern Greece can be justified on the ground that it ‘may, in some circumstances, have beneficial consequences of primary importance for the environment’. 93 Given the severity of the impact of irrigation projects on the natural environment, the position of the Court on this question is controversial. 94

87 In the context of modifications to SCAs, any pre-eminence of economic over ecological interests must be tempered in virtue of Article 3 TFEU as well as of Article 11 TFEU. These provisions put economic and environmental objectives on an equal footing. See N. de Sadeleer, EU Environmental Law and Internal Market, Oxford, OUP, 2014.
88 Case C-182/10 Solvay and Others [2012] 1+2/13, para. 75.
89 Ibid., para. 78.
90 Neither the Birds nor Habitats Directives, however, indicate whether wild birds are to be considered as priority species.
93 Case C-43/10 Nomarchiaki Aftodioikisi Aitolokamanianns e.a. [2012], para. 125.
94 Indeed, ‘irrigation and drainage projects invariably result in many far-reaching ecological changes’, some of which ‘cover the entire range of environmental components, such as soil, water, air, energy, and the socio-economic system’. See the Food and Agriculture Organization (FAO) and...
The position of the CJEU on this question is slippery. Framed in restrictive language, these grounds of derogation are to be interpreted strictly insofar as they depart from the principle that authorisations not be granted toplans or projects when assessments demonstrate that they would have negative ramifications for the conservation of the site (Article 6(3)). It is therefore necessary to understand the phrase ‘other imperative reasons of overriding public interest’ as referring to a general interest superior to the ecological objective of the Directive.

(iii) Derogations interpreted in light of the objective of sustainable development

The concept of sustainable development is recognized as one of the main objective pursued by the EU. That being said, it is characterized by a strong degree of indeterminacy. Though few authorities and undertakings will contend with the proposition that development should be sustainable, they might disagree on how to flesh out this proposition in individual cases. Accordingly, the main attraction of this concept is that ‘both sides in any legal argument will be able to rely on it’. 96

The interpretation given by Advocate General Léger to sustainable development in his Opinion in First Corporate Shipping, a case on development taking place in protected birds habitats, is testament to a conciliatory approach. Indeed, the Advocate General stressed that ‘the concept “sustainable development” does not mean that the interests of the environment must necessarily and systematically prevail over the interests defended in the context of the other policies pursued by the Community. On the contrary, it emphasizes the necessary balance between various interests which sometimes clash, but which must be reconciled’. Against this backdrop, some scholars have been taking the view that nature conservation law is likely to jeopardize sustainable development on the ground that Article 6 requires ‘merely a dogmatic approach focusing on ecological criteria’. 98

Recently, the impact of sustainability on the procedural requirements set out under Article 6 has been gathering momentum. In Nomarchiaki Aftodioikisi Aitoloakarnanias, the Greek Council of State sought to ascertain whether the Habitats Directive, interpreted in the light of the objective of sustainable development, could allow the conversion of a natural fluvial ecosystem into a largely man-made fluvial and lacustrine ecosystem, irrespective of the negative impacts on the integrity of sites that are part of the Natura 2000 network. The CJEU took the view that the Habitats Directive, and in particular its Article 6(3) (4) interpreted in the light of the objective of sustainable development, permits such project. 99 Nonetheless, the Court stressed that such a project can be authorized inasmuch as the conditions for granting the derogation were satisfied—conditions which have so far been interpreted rather narrowly. 100

Our view is that sustainable development cannot water down basic environmental requirements. As noted previously, the assessment and decision-making procedures are framing the balance between the competing interests. Moreover, pursuant to Article 3(3) TEU and Article 191(2) TFEU, the manners in which these procedures apply include the requirement to attain a ‘high level of protection and improvement of the quality of the environment’.

(iv) Procedural requirements

As far as projects justified by ‘other imperative reasons of overriding public interest’ are concerned, a favourable opinion from the Commission is required in all cases. 101 This requirement is drawn up in similar terms to Article 37 of the Euratom Treaty. According to the Commission’s position on the Euratom Treaty, the approval required for development affecting priority sites does not have binding force. 102 However, a failure to request the Commission’s opinion or the implementation of a project in spite of a Commission refusal would constitute a default on the obligations contained in the Habitats Directive, which should be punished both by the competent national or Community authorities as well as by the national courts.

4.1.4 Mitigation measures

The conservation of the area having been established in principle, any derogation that can be made must be interpreted strictly. As Article 6(2) requires Member States to take appropriate measures to avoid the deterioration of natural habitats and causing significant disturbances to species in the areas, they must therefore mitigate as far as possible any negative impacts of any project authorised pursuant to an

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96 Case C-43/10 Nomarchiaki Aftodioikisi Aitoloakarnanias e.a. [2012], paras 134–9.
impact study. The view of this report is that these considerations should be dealt with in the AIA with the aim of reducing the negative impacts on the integrity of the site. The adoption of mitigation measures also limits the importance of compensatory measures.

4.1.5 Compensatory measures

If a project is justified because there are no available alternatives and it satisfies the interests outlined above, it can be implemented subject to the obligation to take "all compensatory measures necessary to ensure that the overall coherence of Natura 2000 is protected. [The Member State] shall inform the Commission of the compensatory measures adopted'.

5 AIA, EIA, and SEA: How to square the circle?

The obligation to carry out an AIA does not preclude the obligations to conduct:

- A traditional EIA under the EIA Directive; or
- A SEA under SEA Directive 2001/42/EC.

These procedural obligations are indeed autonomous and cumulative. It is important to note that when a plan or programme is subject to an AIA in accordance with Article 6(3), it must also be subject to an SEA. Article 3(2) of SEA Directive runs as follows:

"Subject to para. 3, an environmental assessment shall be carried out for all plans and programmes, (b) which, in view of the likely effect on sites, have been determined to require an assessment pursuant to Article 6 or 7 of Directive 92/43/EEC."

The SEA Directive has an added value on the account that it enhances a more upstream approach. For instance, inasmuch as land planning regulations allow the realization of public or private projects, environmental concerns must be taken into account at the earliest stage, when conceiving the land-planning regulation, not at the time of construction. It is certainly more effective first to assess the overall impact of all the roads encapsulated in a highways project than to single out every road without any broader assessment.

The CJEU ruled recently that the examination carried out to determine whether the plan is not subject to an SEA "is necessarily limited to the question as to whether it can be excluded, on the basis of objective information, that that plan or project will have a significant effect on the site concerned."

That being said, it ought to be remembered that there is a difference in substance between the different assessments. Given that the bulk of the information in the AIA relates to ecosystemic data, the Habitats AIA is more targeted as well as far less multidisciplinary than the traditional EIA or the SEA. Conversely, the AIA provides a much clearer picture, and a more in-depth analysis of the impacts on habitats. It is therefore not necessary to take into consideration all the environmental impacts of the project (effects on archaeological resources, cultural heritage or human health) as it needs only to "be subject to appropriate assessment of its implications for the site in view of the site’s conservation objectives". Furthermore, the SEA and EIA Directives expressly entail a participatory process.

Nonetheless, nothing stands in the way of establishing more targeted Habitats Directive assessments as it is seen as a specific sub-assessment within the broader (general) assessment regime. Given the size and the nature of the projects dealt with in the different national reports (harbours, motorways, etc.) most of the AIAs discussed below are part of much broader EIAs conducted pursuant to national regulations implementing the EIA Directive. Last but not least, as a matter of practice, it must be noted that there are a huge number of projects not encompassed within the EIA and the SEA Directives’ scope of ambit. As a result, the EIAs and SEAs cannot serve as an ersatz for the vast majority of plans and projects threatening the conservation of Natura 2000 sites.

6 Conclusion

Halting biodiversity loss requires a strict application of AIA requirements. Indeed, the AIA is a critical biodiversity management tool as it ensures that the effects of developments within, or next to, Natura 2000 sites are fully assessed before consent is given. In addition, negative conclusions preclude the adoption of the plan or the granting of the license. As a result, the site’s integrity comes first, development second. The imperative lesson to be learned here is that strict and independent control of the quality of AIAs must be organised before the consent to the plan project is delivered. This guarantees that the assessment, in fine, may be considered appropriate and allows the competent authority to have "ascertained that [the plan or project] will not adversely affect the integrity of the site concerned". Many techniques exist in this perspective. Independent technical analysis committees or environmental consultative organs can assess the
quality of AIAs submitted by the developer of a project. By the same token, independent inspectors can be appointed by the authorities to hold a public inquiry and to report back to them with recommendations.

In spite of its key role in sustaining biodiversity in the EU, Article 6 has been dogged by controversies. The huge amount of complaints sent to both the Commission and the European Parliament’s Petition Committee signifies the frustration among citizens as well as national nature protection NGOs regarding unsatisfactory processes. What explanations are there for this situation?

First, at the outset, most Member States had major difficulties in determining the proper legal instruments to implement Article 6 for several reasons. Firstly, this provision is framed in very broad terms, as is the standard for EU directives. Secondly, this provision uses a number of very technical concepts (“conservation status”, “site’s integrity”, “natural habitat types”, “conservation objectives”, etc.), sometimes without defining them. As a result, many Member States have amended their initial implementing legislation a number of times, and finally replaced these with new legislation.

The second explanation is the fact that several Member States (Spain, Germany, Belgium, UK) allocate responsibilities between the federal and regional levels, which have slowed the implementation process. Instead of having one body with exclusive competence, multiple authorities designate and manage Special Protection Areas (SPAs) and Special Areas of Conservation (SACs).

For instance, the new German constitutional system is characterized by such shared competences in the field of nature protection (Konkurrirende Kompetenz). In the UK, the implementation of the Directive is a devolved matter for each administration (i.e., the Scottish Executive, the Welsh Assembly Government and the Northern Ireland Executive). In Belgium, four entities have the competence for implementing Natura 2000: the federal state for marine sites, and the three regions for terrestrial sites. Even in centralised states, authorities at different levels are endowed with different regulatory tasks. For example, in Poland the Ministry of Environment designates the sites whereas the regions (voivoidships) manage them.

The third explanation is that the technical legal difficulties with implementing the Habitats Directive have been compounded by the reluctance of several Member States to implement the Directive in due time. The CJEU has condemned several Member States for failing to:

- implement the relevant provisions (Case C-256/98 Commission v France; Case C-71/99 Commission v Germany);
- communicate to the Commission the list of appropriate SACs in line with the Important Bird Areas (IBAs) (Case C-71/99 Commission v Germany); and
- designate or to protect a sufficient number of SPAs (Case C-3/96 Commission v Netherlands; Case C-168/03 Commission v Spain; pending case C-547/07 Commission v Poland; pending case Commission v Romania).

Therefore, despite the enactment of the Habitats Directive in 1992, the Natura 2000 network has not yet been fully realised 21 years after its entry into force. As a result of this delay in establishing protective measures, the erosion of biodiversity in the EU has worsened dramatically. Member States are clearly failing to fulfil their EU obligations.

Fourthly, there are serious grounds for concern that Member States are not sufficiently implementing the Directive. 107 So far the vast majority of the cases adjudicated by the CJEU concern situations where there has been no appropriate assessment. 108 Additionally, many SPAs and SACs have merely been designated for the purpose of reporting to the Commission and are not yet protected with proper regulatory regimes or management plans. Most of the SACs which have not been or are in the process of being designated are still lacking a proper management plan. In addition, there are no sets of scientific indicators that could be used with the aim of assessing whether the SCOs are being realised. These sites are, as a result, extremely vulnerable to development.

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107 The EC Commission has initiated an infringement procedure against Romania, because the SPAs designation is inconsistent with the Important Birds Area (IBA) and fewer and smaller areas have been designated.

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Editors in charge of the current issue: Martin Führ and Claudia Fricke

Editor in charge of the forthcoming issue: Gerhard Roller (gerhroller@aol.com)

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Authors of this issue

Gijs Hoevenaars is Lawyer/Technical Secretary at Netherlands Commission for Environmental Assessment Utrecht, The Netherlands, ghoevenaars@cia.nl

Jerzy Jendroska, Ph.D., Managing Partner at Jendroska Jerzmanski Bar & Partners. Environmental Lawyers and Adjunct Professor at Opole University jery.jendroska@jjb.com.pl

Ludwig Krämer, is director of ClientEarth’s European Union Aarhus Centre, 36 Avenue de Tervueren, Brussels 1040, Belgium fb485695@skynet.be

Peter Kremer, Attorney-at-Law he represents German environmental organisations as counsel in approval proceedings for new coal-fired power stations in Germany and other projects destructive to the environment. rechtsanwalt@peter-kremer.de

Eckard Rehbinder, Professor emeritus of economic law, environmental law and comparative law, Research Centre for Environmental Law, Goethe University Frankfurt/Germany, rehbinder@jur.uni-frankfurt.de

Nicolas de Sadeleer is Professor of environmental law at Saint-Louis University, and guest professor at UCL. Being based in Brussels, he plays an active part in debates on EU legal and institutional issues. He is holding a Jean Monnet Chair focusing on the trade and environment conflict (see www.tradeenvironment.eu)

Lorenzo Squintani, Lorenzo Squintani, LLD is assistant professor of European Law at the University of Groningen, the Netherlands. He wrote his PhD on Gold-Plating of European Environmental Law. This article falls within the research programme: Protecting European Citizens and Market Participant. Email: l.squintani@rug.nl

Sergiusz Urban Ph.d., Lawyer specialising in environmental law and policy, head of environmental law practice at Wiercinski, Kwiecinski, Baehr Law Firm, sergiusz.urban@wkb.com.pl
The Öko-Institut (Institut für angewandte Ökologie - Institute for Applied Ecology, a registered non-profit association) was founded in 1977. Its founding was closely connected to the conflict over the building of the nuclear power plant in Wyhl (on the Rhine near the city of Freiburg, the seat of the Institute). The objective of the Institute was and is environmental research independent of government and industry, for the benefit of society. The results of our research are made available to the public.

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Contact
Freiburg Head Office:
P.O. Box 17 71
D-79017 Freiburg
Phone  +49 (0)761-4 52 95-0
Fax  +49 (0)761-4 52 95 88

Darmstadt Office:
Rheinstrasse 95
D-64295 Darmstadt
Phone  +49 (0)6151-81 91-0
Fax  +49 (0)6151-81 91 33

Berlin Office:
Schicklerstraße 5-7
D-10179 Berlin
Phone  +49(0)30-40 50 85-0
Fax  +49(0)30-40 50 85-388

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- Risk management

Contact
Prof. Dr. jur. Gerhard Roller
University of Applied Sciences
Berlinerstrasse 109
D-55411 Bingen/Germany
Phone  +49(0)6721-409-363
Fax  +49(0)6721-409-110
roller@fh-bingen.de

www.fh-bingen.de

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Contact
Darmstadt Office:
Prof. Dr. Martin Führ - sofia
University of Applied Sciences
Haardtring 100
D-64295 Darmstadt/Germany
Phone  +49(0)6151-16-8734/35/31
Fax  +49(0)6151-16-8925
fuehr@sofia-darmstadt.de

www.h-da.de

Göttingen Office:
Prof. Dr. Kilian Bizer - sofia
University of Göttingen
Platz der Göttinger Sieben 3
D-37073 Göttingen/Germany
Phone  +49(0)551-39-4622
Fax  +49(0)551-39-1868
bizer@sofia-darmstadt.de

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Contact
Prof. Dr. Kilian Bizer - sofia
University of Göttingen
Platz der Göttinger Sieben 3
D-37073 Göttingen/Germany
Phone  +49(0)551-39-4622
Fax  +49(0)551-39-1868
bizer@sofia-darmstadt.de

www.sofia-research.com