



HUSZPO

HRVATSKA UDRUGA STRUČNJAKA ZAŠTITE PRIRODE I OKOLIŠA

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STRATEGIC ENVIRONMENTAL IMPACT ASSESSMENT OF THE
PHYSICAL PLANNING DOCUMENTS USING THE EXAMPLE OF
THE SPATIAL PLAN OF THE PRIMORSKO-GORANSKA COUNTY
STRATEŠKA PROCJENA UTJECAJA NA OKOLIŠ DOKUMENATA PROSTORNOG
UREĐENJA NA PRIMJERU PROSTORNOG PLANA PRIMORSKO-GORANSKE
ŽUPANIJE

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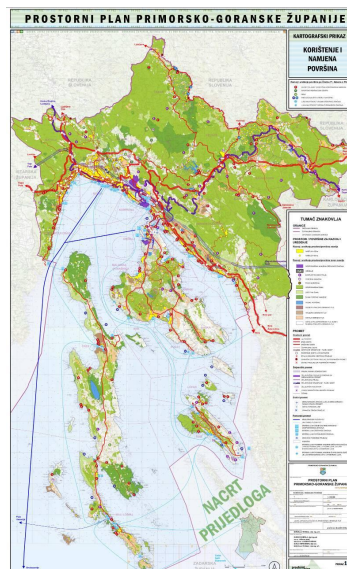
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PRIMORSKO-GORANSKA COUNTY
STRATEŠKA PROCJENA UTJECAJA NA OKOLIŠ DOKUMENATA PROSTORNOG UREĐENJA NA PRIMJERU PROSTORNOG PLANA PRIMORSKO-GORANSKE ŽUPANIJE







Introduction

Uvod






- Spatial plan of the Primorsko-goranska County was made between 1994 and 1998, adopted in 2000 and updated three times in 2005, 2009, 2011
Prostorni plan Primorsko-goranske županije izrađen u razdoblju 1994.-1998., donesen 2000., mijenjan i dopunjavao tri puta 2005., 2009., 2011.
- Because of a lot of new acts that influence the decisions and provisions of the plan and changes in the social, especially demographic and economic development of Croatia, which greatly influenced the Primorsko-goranska County it was decided that a new plan should be made.
S obzirom na niz u međuvremenu donesenih novih zakona koji utječu na planska rješenja te na promjene u društvenom i gospodarskom razvoju RH donesena je odluka da se pristupi izradi novoga plana.
- According to the Environmental protection act, it is necessary to make the strategic environmental impact assessment when creating the physical planning documents on the state and county level (SEA).
Sukladno propisima prilikom izrade dokumenata prostornog uređenja državne i županijske razine obvezno je provesti postupak strateške procjene utjecaja na okoliš (SPUO).

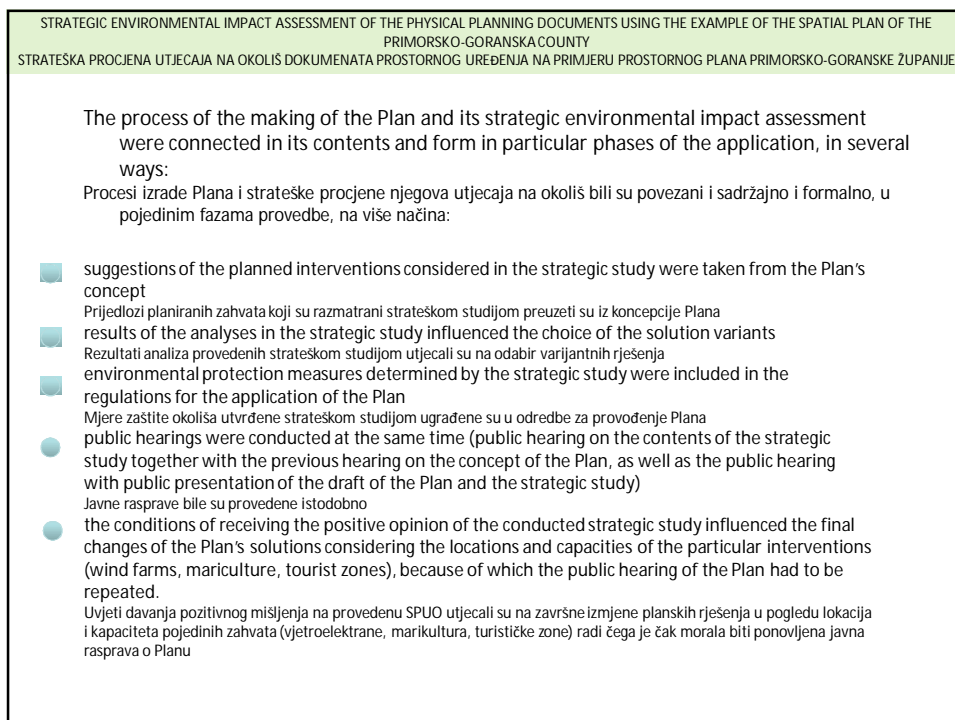
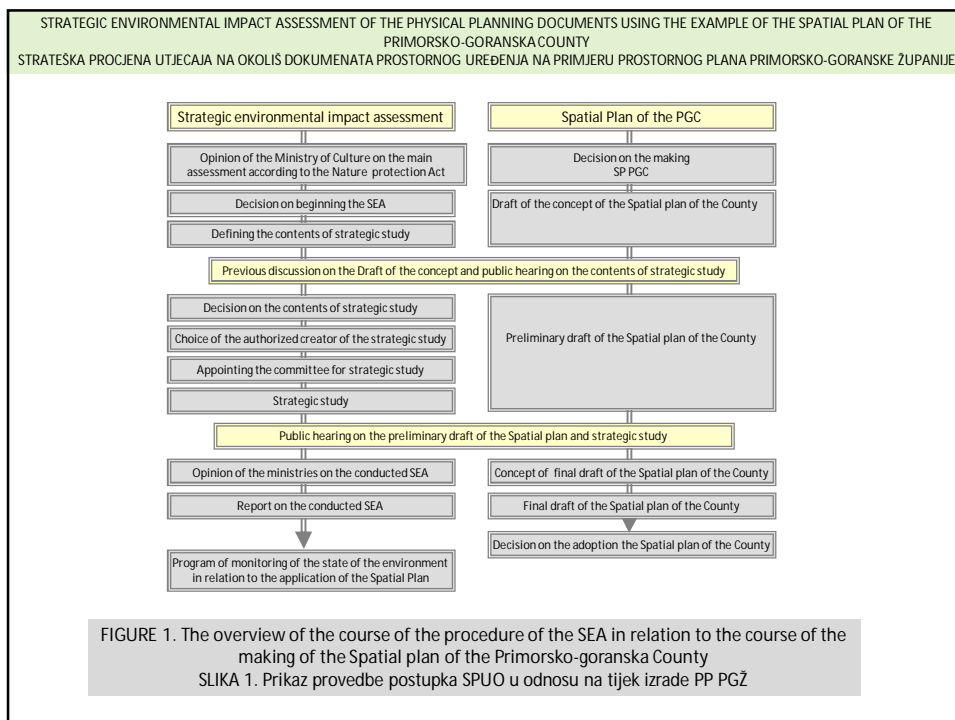


The course of the SEA procedure of the new Spatial plan of the PGC Tijek postupka SPUO za novi prostorni plan PGŽ

-  28 March 2011 - decision of start the procedure SEA – president of the County Zlatko Komadina
28. ožujka 2011. - odluka Župana Zlatka Komadine o započinjanju postupka SPUO
-  15 March 2011 - the opinion of the competent ministry for the protection of nature was required that it was necessary to conduct the main assessment of the ecological network impact
15. ožujka 2011. - mišljenje nadležnog ministarstva da je potrebno provesti i postupak glavne ocjene utjecaja na ekološku mrežu
-  10 October 2011 - determining the contents of the strategic study
10. listopada 2011. - određivanje sadržaja strateške studije
-  31 August 2011 - choosing the author of the strategic study
31. kolovoza 2011. - odabir ovlaštenika
-  12 April 2012 - professional advisory committee for the SEA of the Spatial plan of the PGC -held three meetings and on 6 July 2012 concluded that the strategic study was professional and comprehensive
12. travnja 2012. – imenovano savjetodavno stručno Povjerenstvo za SPUO PP PGŽ – 3 sjednice, mišljenje da je strateška studija cjelovita i stručno utemeljena 6. srpnja 2012.
-  July-September 2012 - public hearing on the issue of the strategic study and Spatial plan. It lasted from 21 July to 18 September and there were three public presentations: in Rijeka on 4 September, in Krk on 5 September and in Delnice on 6 September
Javna rasprava 21. srpnja – 18. rujna 2012. s tri javna izlaganja: 4.9. u Rijeci, 5.9. u Krku i 6.9. u Delnicama

The course of the SEA procedure of the new Spatial plan of the PGC Tijek postupka SPUO za novi prostorni plan PGŽ

-  After the corrections according to the public hearing, the Final draft of the Spatial plan and the final draft of the strategic study were made. The Final draft of the plan was delivered to all the bodies and institutions which cooperated from the beginning in the process of making the Plan and the strategic study, and gave their opinions according to specific regulations.
Nakon korekcija u skladu s rezultatima javne rasprave pripremljen je Konačni prijedlog plana i dostavljen na ponovno očitovanje svim tijelima i institucijama koja su sukladno propisima sudjelovala davanjem mišljenja.
-  The Ministry of Environmental and Nature Protection issued a positive opinion on the Final draft of the Spatial plan and the strategic study on 12 February 2013.
Nakon ponovnih korekcija, a posebice u odnosu na rezultate glavne ocjene utjecaja na ekološku mrežu, Ministarstvo zaštite okoliša i prirode dalo je pozitivno mišljenje o provedenoj SPUO 12. veljače 2013.
-  Ministry of Construction and Physical Planning then withheld the approval. The additional public hearing was conducted between 14 and 21 March 2013.
Ministarstvo graditeljstva i prostornoga uređenja uskraćuje suglasnost i traži ponavljanje javne rasprave. Ponovna javna rasprava 14. do 21. ožujka 2013.
-  The opinions of the body and/or persons appointed by special acts and representative bodies of the local governments, the new Final draft of the Plan was made and confirmed by the Decision of the County prefect.
Ponovna mišljenja tijela i institucija određenih posebnim propisima, kao i predstavničkih tijela JLS. Konačni prijedlog utvrdio Župan PGŽ.
-  The approval of the Ministry of Construction and Physical Planning was obtained on 22 August 2013 and the Plan was forwarded to the County Assembly for adoption in September 2013.
Suglasnost Ministarstva graditeljstva i prostornoga uređenja 22. kolovoza 2013. i upućeno na usvajanje Županijskoj skupštini 12. rujna 2013.



The ways in which the questions of environmental protection are integrated in the Spatial plan of the Primorsko-goranska County

Način na koji su pitanja zaštite okoliša integrirana u Prostorni plan Primorsko-goranske županije

- A comprehensive analysis showed what are the biggest current environmental problems in the PGZ
Prepoznati su najvažniji okolišni problemi na temelju dokumenata zaštite okoliša i prirode PGZ
- The most important interventions in space planned by the new County Spatial plan
Prepoznati su najvažniji planirani zahvati u prostoru koji bi mogli imati utjecaj na okolišne probleme
- Several solutions were considered for the following interventions: highway A7: Section Permani-Grobničko Polje, port for the transshipment of petroleum coke, combined gas plant
Definirana su varijantna rješenja (za autocestu A7, dionicu Permani-Grobničko polje; luku za prekrcaj petroloksa i kombiniranu plinsku elektranu)
- The impact of every intervention has been assessed according to the assessment criteria for particular elements of the environment and evaluated according to the expert method of assessment by applying the adjusted Delphi method.
Utjecaj zahvata procijenjen je primjenom ekspertne Delphi metode
- Based on this multiple criteria analysis, it is concluded what variants of the mentioned interventions were best for the environment
Na temelju multikriterijalne analize utvrđena su najpovoljnija varijantna rješenja
- The interventions which could have the greatest impact on the aims of protection and integrity of the ecological network were also defined.
Utvrđeni su zahvati koji bi mogli imati najveći utjecaj na ciljeve i očuvanje područja ekološke mreže
- The strategic study also includes appropriate measures for the protection of particular elements of the environment, as well as the measures for monitoring the state of the environment
Strateškom studijom su definirane mjere zaštite i prijedlog praćenja stanja okoliša







INTERVENTION	IMPACT	FINAL ASSESSMENT	RESPONSE (MEASURES)
BZ Miklavija (Matulji)	POTENTIALLY IMPORTANT - forests, landscape, cultural heritage, pressure (waste, noise, light pollution, accidents) MODERATE - soil, wildlife, settlements NOT IMPORTANT - air, climate changes, water, biological diversity	19 (moderate impact)	Waste water management. Landscape arrangement projects. Application of best available technology (BAT). Organizing inner system of complete recycling of by-products and production waste.
BZ Kukuljanovo	POTENTIALLY IMPORTANT - water, landscape, pressure (waste, noise, light pollution, accidents) MODERATE - soil, wildlife NOT IMPORTANT - air, climate changes, soil, forests, biological diversity, settlements and people, cultural heritage	25 (moderate impact)	Application of acoustic planning principle. „Low-noise“ construction of factory facilities.
BZ Urinj	POTENTIALLY IMPORTANT - biological diversity, landscape, settlements and people, pressure (waste, noise, light pollution, accidents) MODERATE - settlements and people NOT IMPORTANT - air, climate changes, water, soil, forests, wildlife, cultural heritage	24 (moderate impact)	Acoustic planning of infrastructure and traffic in the business zone. Ecologically acceptable lighting.
BZ Omišalj - Petrokemija	POTENTIALLY IMPORTANT - biological diversity, landscape, settlements and people, cultural heritage, pressure (waste, noise, light pollution, accidents) MODERATE - settlements and people NOT IMPORTANT - air, climate changes, water, soil, forests, wildlife, cultural heritage	22 (moderate impact)	Extension of road and railway infrastructure in particular zones.

Table 1: Overview and evaluation of the possible environmental impacts on the example of business zones
 Source: Strategic study of the environmental impact assessment of the Spatial plan of the Primorsko-goranska County, Dvokut ECRO, d.o.o., Zagreb, 2012

Tablica 1. Pregled i valorizacija mogućih utjecaja na okoliš na primjeru gospodarskih zona
 Izvor: Strateška studija procjene utjecaja Prostornog plana Primorsko-goranske županije na okoliš, Dvokut ECRO, d.o.o., Zagreb, 2012.

Problems we encountered during SEA





Problemi s kojima smo se susreli tijekom postupka SPUO

-  coordinating the imperative of the development and economic growth of the County with the protection of space, elements of the environment, natural and historical heritage
usklađivanje razvoja i zaštite
-  complexity and volume of the document for which the SEA is conducted, strategic study and procedure with many actions which need to be coordinated by the deadline, with many different interests of the users in mind
složenost i opsežnost PP PGZ, strateške studije i postupka
-  diversity and scale of the values of space, environment, landscape characteristics and natural and historical heritage that needed to be taken into account
raznolikost i brojnost vrijednosti prostora, okoliša, krajobraznih značajki te prirodne i kulturne baštine koje je trebalo uzeti u obzir
-  large number of participants in procedure
velik broj sudionika u postupku
-  time needed for the appointed person to study all the data on the environment of the County, situation in space and characteristics of many different interventions which need to be taken into account during evaluation
vrijeme potrebno da se ovlaštenik upozna sa svim podacima o okolišu, stanjem u prostoru i obilježjima velikog broj različitih zahvata kako bi ih uzeo u obzir prilikom evaluacije
-  the lack of practice and models for application of similar procedures in the field of physical planning in the County
nedovoljna praksa i nedostatak uzora u provedbi sličnih postupaka na županijskoj razini u području prostornog planiranja

Lessons to be learned

Što smo naučili, iskustvo koje smo stekli

Our experience showed that, for the successful application of the procedure, the following factors were important:

-  Naše iskustvo pokazalo je da su za uspješnu provedbu postupka bili nužni sljedeći faktori:
high quality expert base and data (existing physical planning documents, environmental protection documents and other expert bases and data)
kvalitetne stručne podloge i podaci (postojeći dokumenti prostornog uređenja, dokumenti zaštite okoliša i prirode, kao i druge stručne podloge i podaci)
-  good teams of people in the bodies that work on the procedure
dobra kadrovska ekipiranost stručnih službi koje sudjeluju u postupku
-  cooperation of everyone involved, especially the competent authority for the making of the Plan, the administrative body responsible for the application of the strategic environmental impact assessment, the makers of the Plan, authorised persons and ministries responsible for the environmental protection and physical planning
suradnja svih sudionika, a posebice nositelja izrade Plana, upravnog tijela nadležnog za provedbu strateške procjene utjecaja na okoliš, izrađivača Plana, ovlaštenika, kao i ministarstava nadležnih za zaštitu okoliša i prirode te prostorno uređenje
-  transparency of the process and adequate presentation of the process and the documents (spatial plan and strategic study) to the public, in order to get the support in the adoption and application of the Plan.
transparentnost procesa te odgovarajuća prezentacija javnosti kako samoga procesa, tako i dokumenata (prostornoga plana i strateške studije), kako bi se ostvarila podrška donošenju i provedbi Plana.

Conclusion

Zaključak

Despite the fact that the result of the conducted strategic environmental impact assessment of the Spatial plan of the Primorsko-goranska County is not entirely as expected in the sense of the details of the prescribed measures of protection and monitoring of the state of the environment and the elimination of the need for the following procedures of impact assessment of the particular interventions in particular locations and assessment of their impact on ecological network, the authors of this paper believe that the experience of the Primorsko-goranska County can serve as an example for the application of similar procedures.

Unatoč činjenici da rezultat provedene strateške procjene utjecaja na okoliš prostornog plana Primorsko-goranske županije nije u potpunosti onakav kakav se možda očekivao u smislu detaljnosti propisanih mjera zaštite i praćenja stanja okoliša te s tim u vezi eliminacije potrebe provedbe budućih postupaka procjene utjecaja na okoliš pojedinačnih zahvata na točno određenim lokacijama i ocjene njihova utjecaja na ekološku mrežu, prema mišljenju autorica ovoga rada, iskustvo Primorsko-goranske županije može poslužiti kao primjer za provedbu sličnih postupaka.