

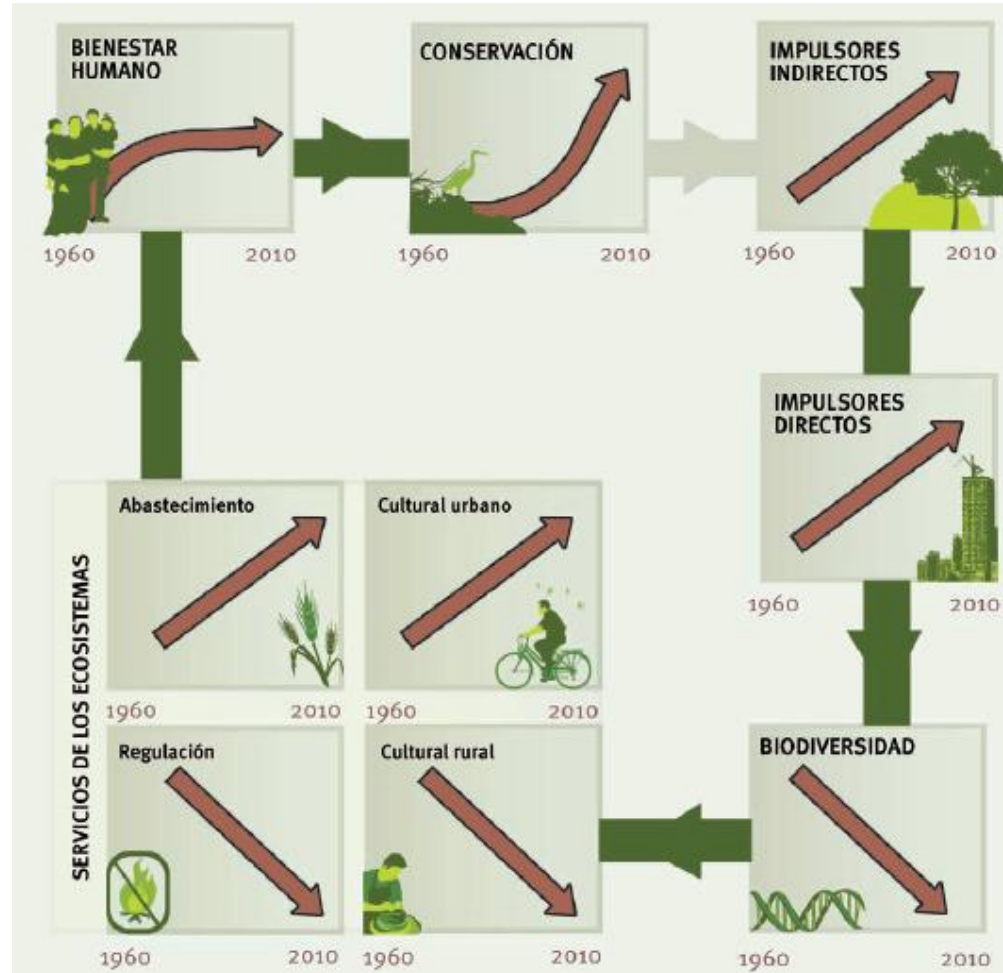
NATIONAL ECOSYSTEM ASSESSMENT OF SPAIN (2011-2012)



Fernando Santos-Martin
Autonomous University of Madrid, Spain

SGA ANNUAL MEETNG
27 NOVEMBER, 2012
SOUTHAFRICA

LAST YEAR PRESENTATION...



WHAT HAVE WE DONE SINCE LAST YEAR?



Sub-Global Assessment Network

3rd Annual Meeting Report

Bilbao, Spain

11 – 15 December 2011

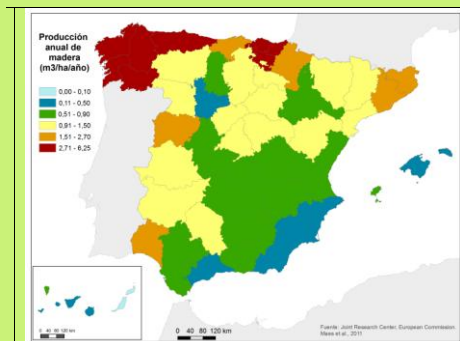


Hosted by the SGA Network Secretariat in partnership with the University of the Basque Country, UNESCO Katedra and UNESCO Extea

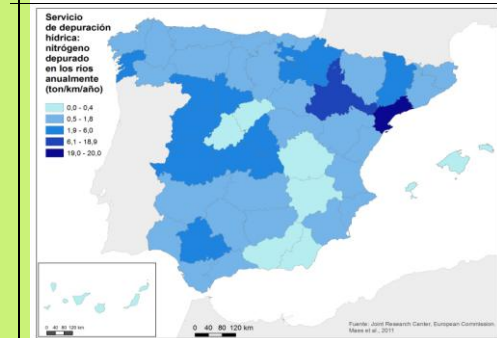
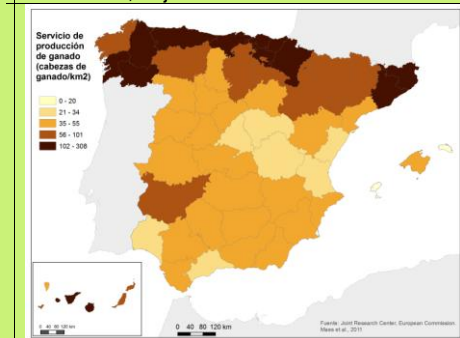
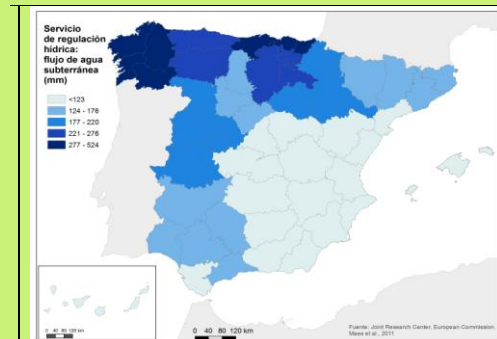
I. SPATIAL ANALYSIS

II. FUTURE SCENARIOS

SPATIAL ANALYSIS



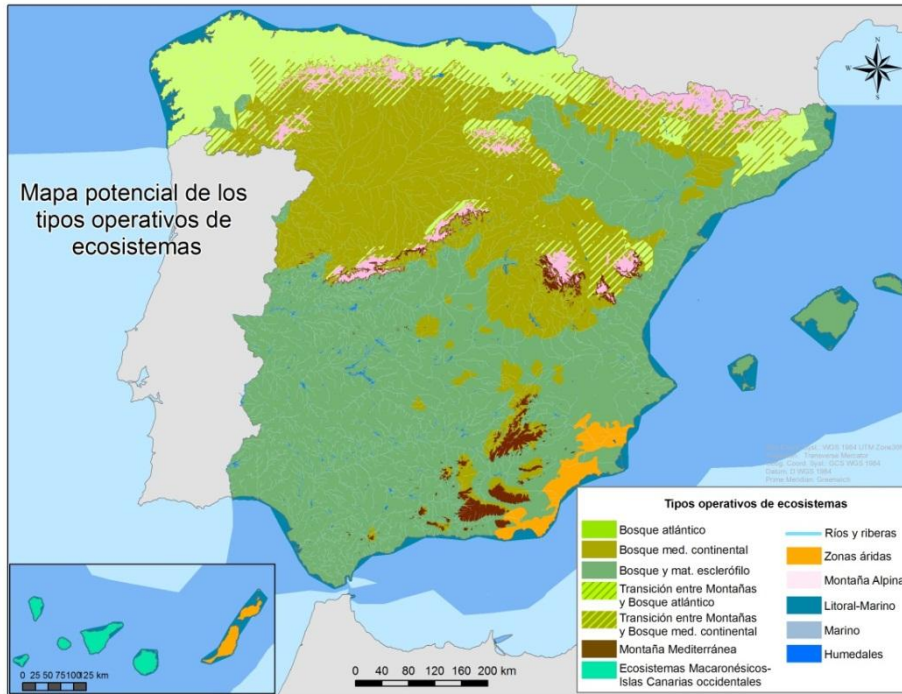
Producción, flujo



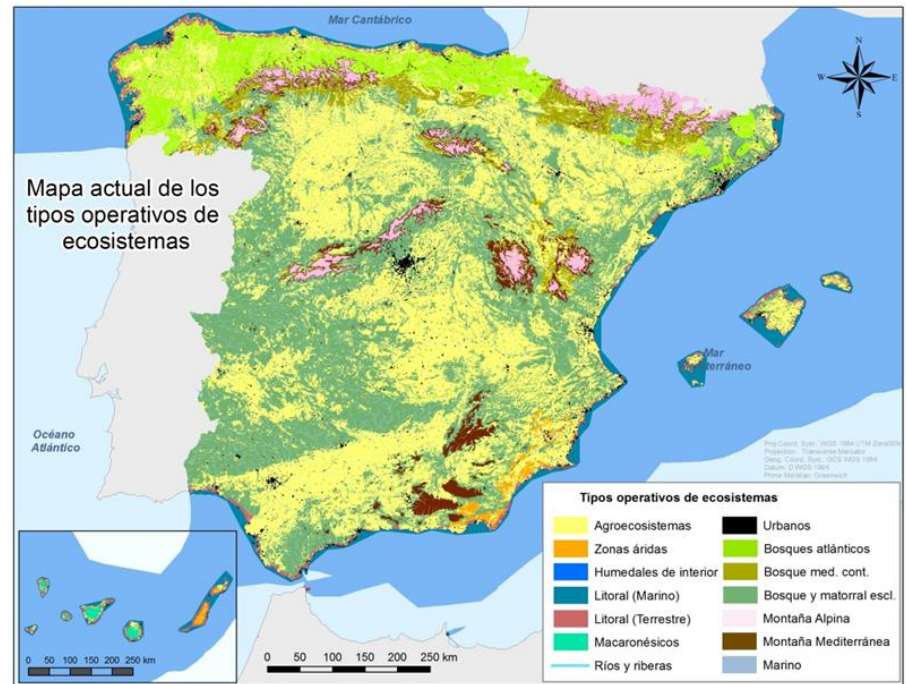
ECOSYSTEMS



POTENTIAL MAP



ACTUAL MAP

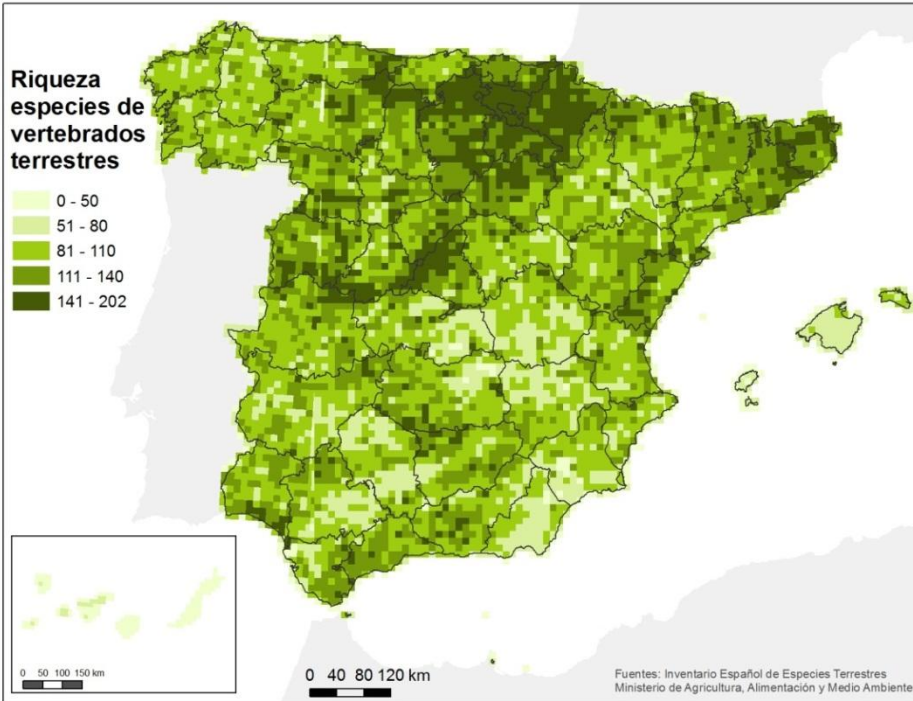


14 ECOSYSTEMS

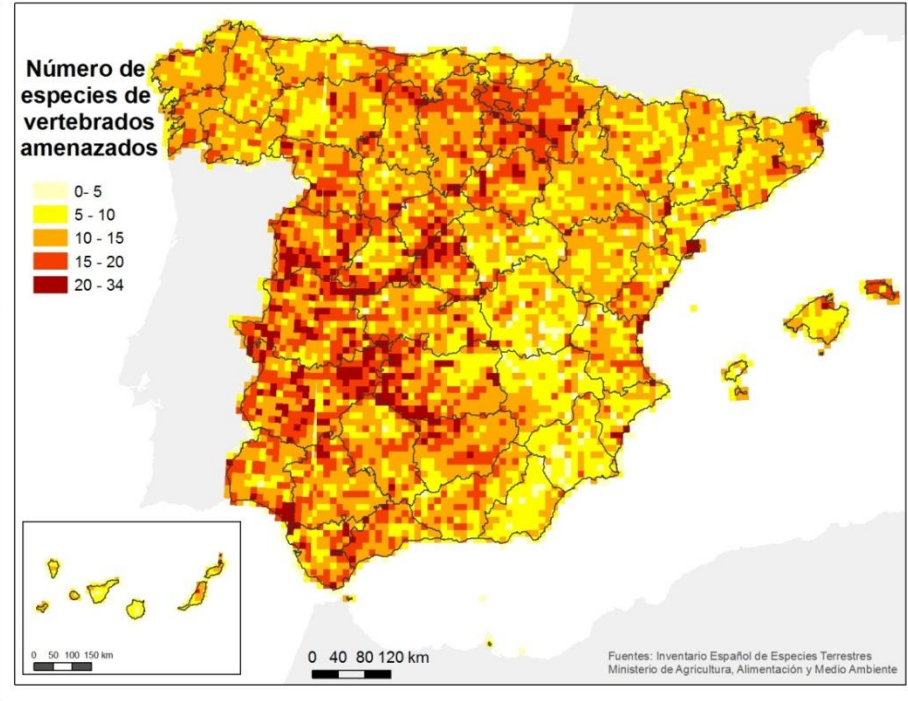
BIODIVERSITY (MARM, 2008)



RICHNESS



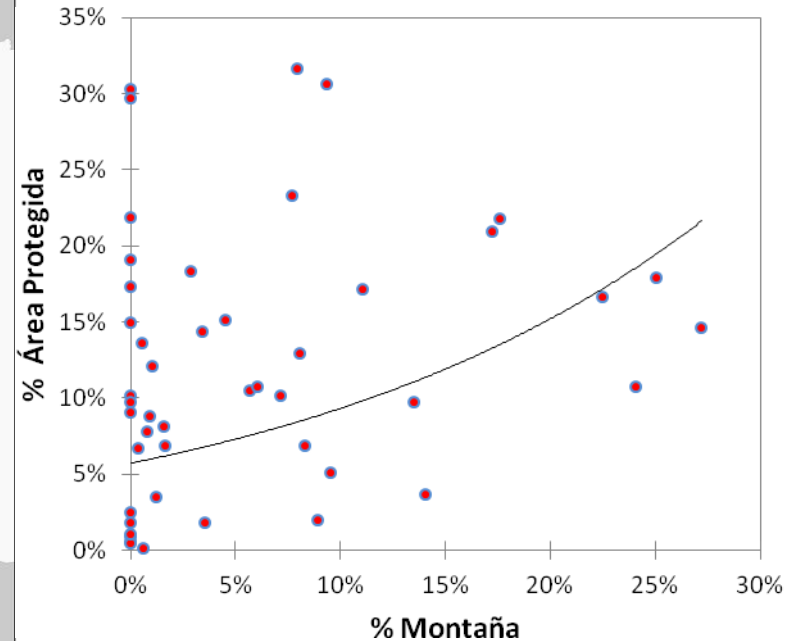
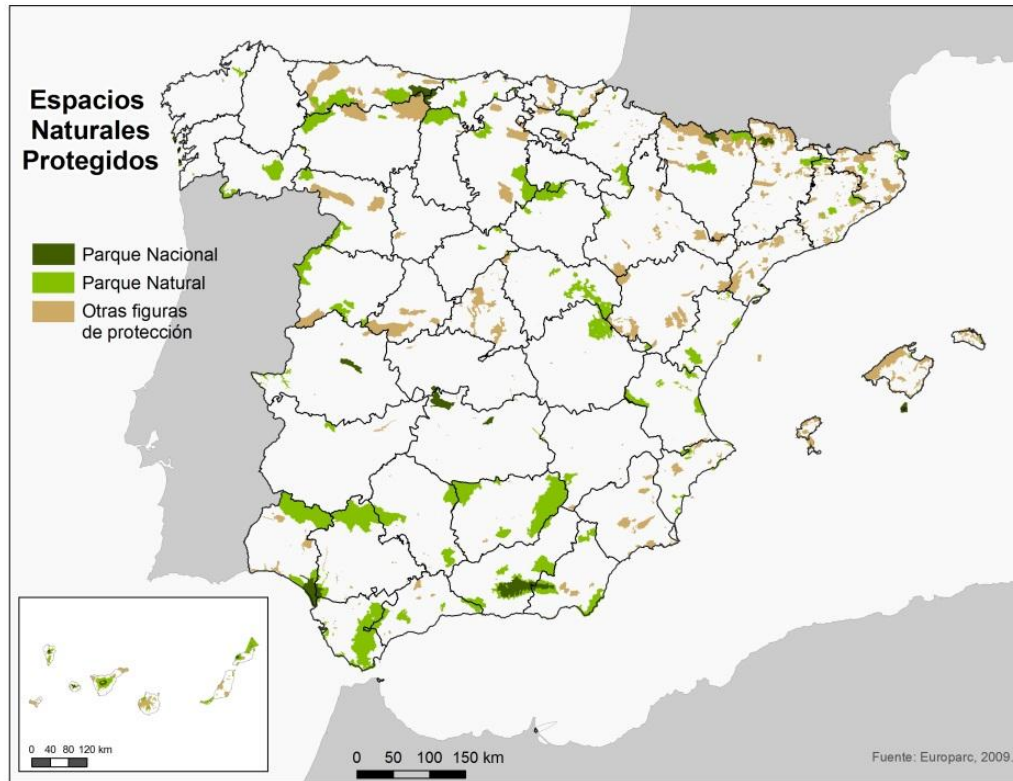
THREAT



Spain as a major reservoir of biodiversity in Europe

Between 40% and 68% of species assessed are threatened

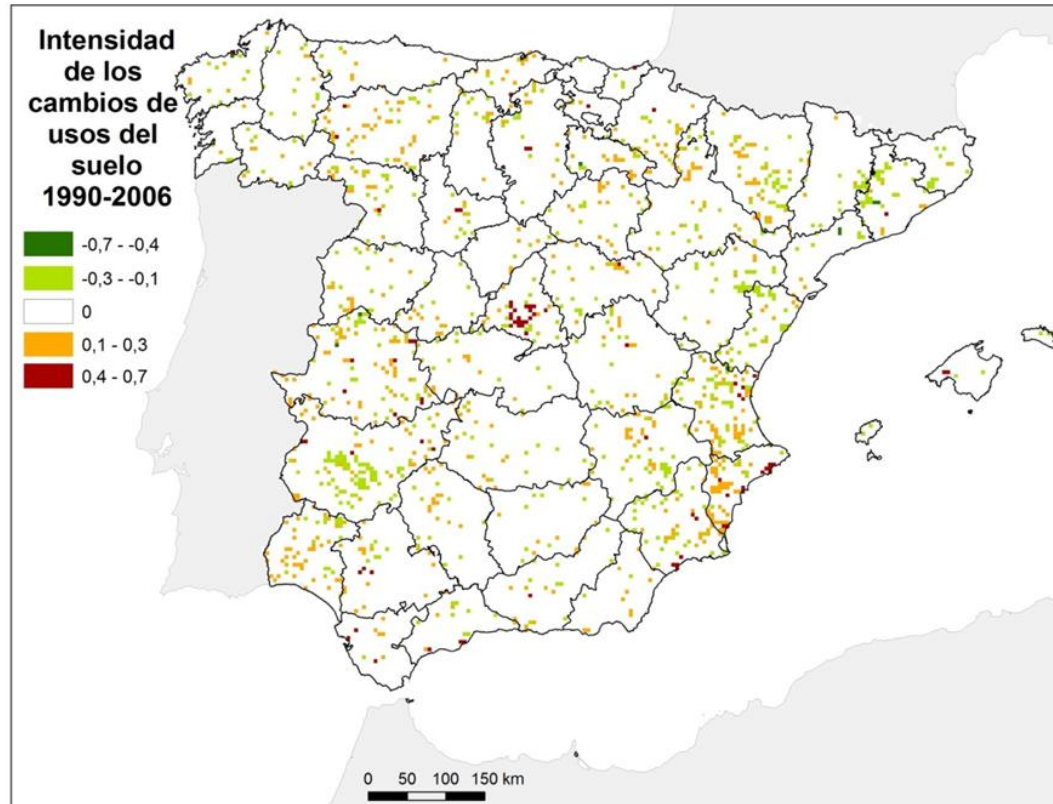
PROTECTED AREAS



SPAIN IS MOSTLY PROTECTING MOUNTAINS ATHOUGH THEY ARE NOT THE MOST THREATENED ECOSYSTEMS

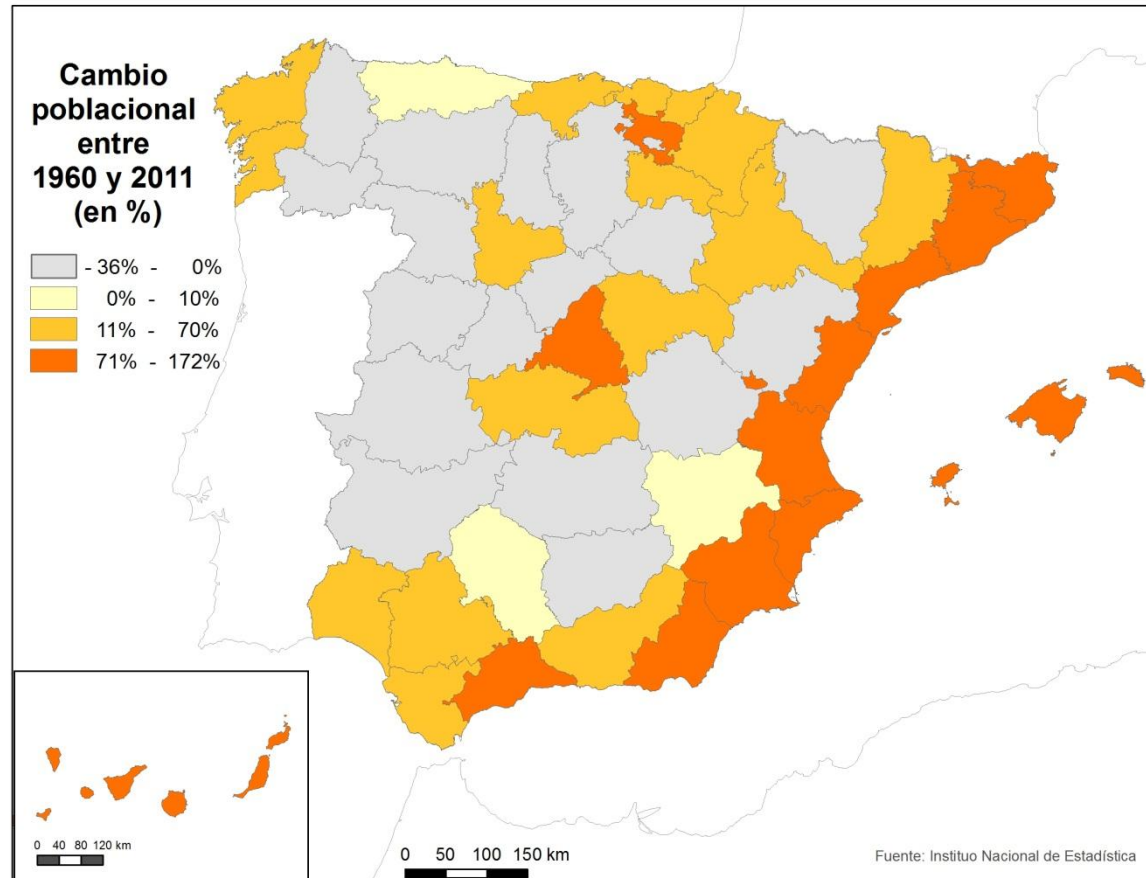
LAND USE CHANGES

(Corine Land Cover, 1990-2006)



Land use change	ha	%
Intensification	6.900.138	14%
Abandonment	6.197.624	13%

DEMOGRAPHIC DRIVER



Increasing population in coastal cities is observed and emptying the interior provinces.

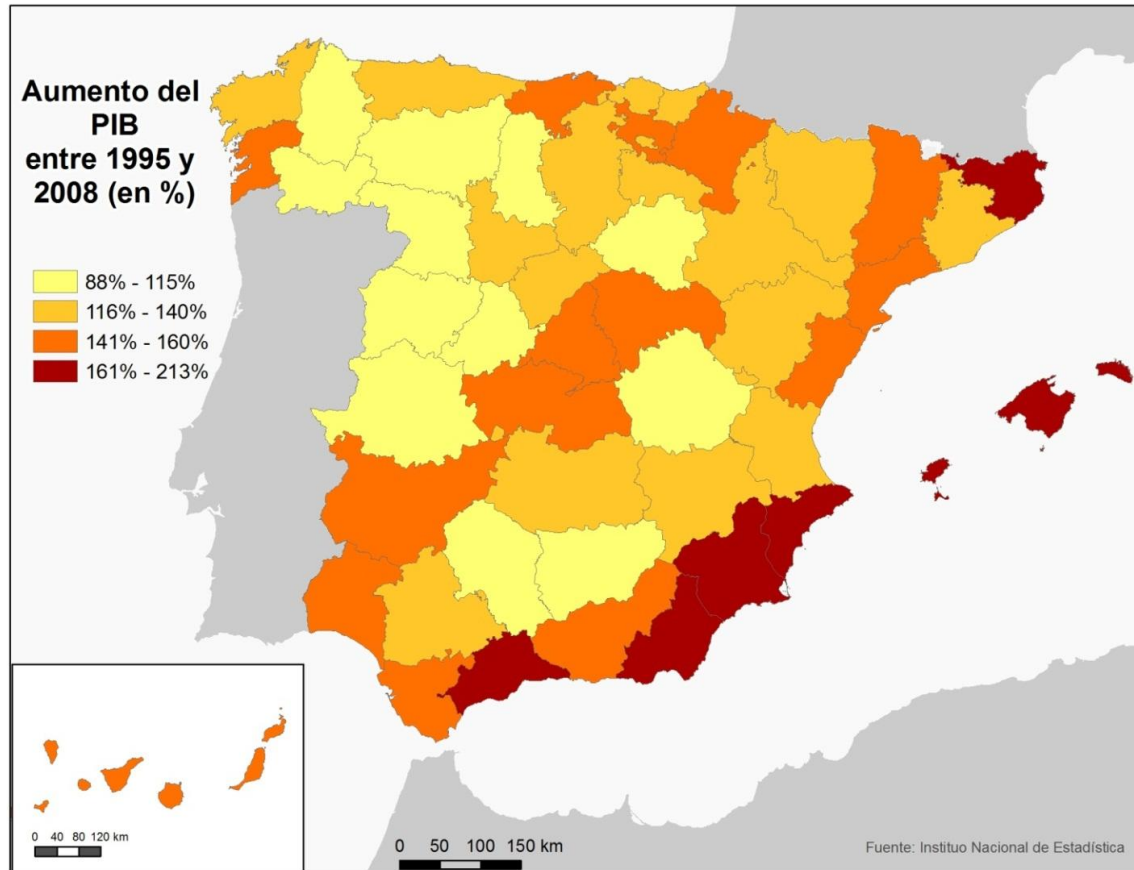
CITIES AS SOCIO-ECOSYSTEMS



CONSERVACIÓN DE LOS ECOSISTEMAS Y LA BIODIVERSIDAD DE ESPAÑA PARA EL BIENESTAR HUMANO
LA CIUDAD COMO SOCIOECOSISTEMA



ECONOMIC DRIVER



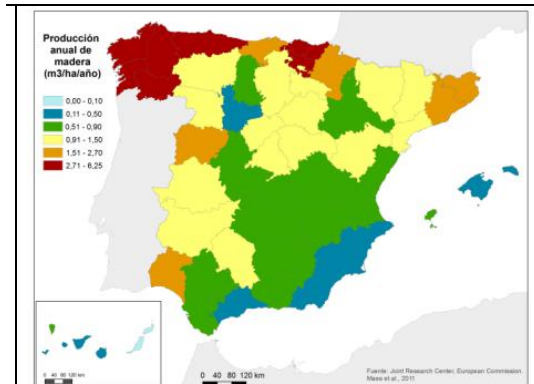
Economic changes shows similar trend to demographic patterns

ECOSYSTEM SERVICES

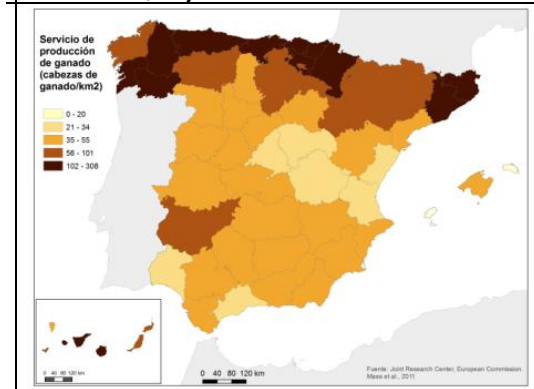
JRC (Joint Research Centre, 2011)



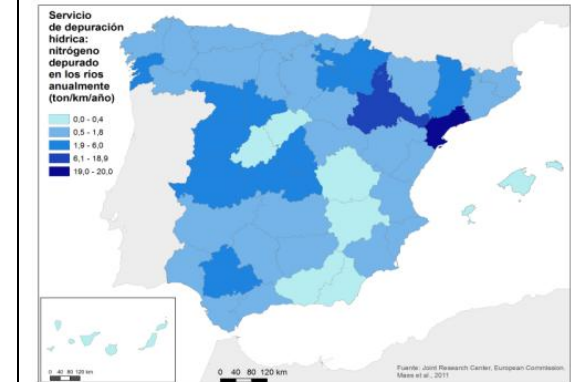
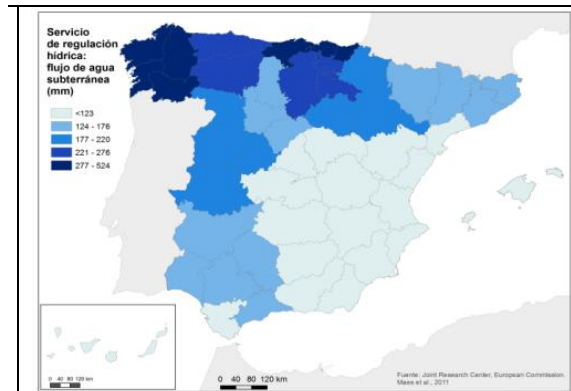
7 PROVISIONING



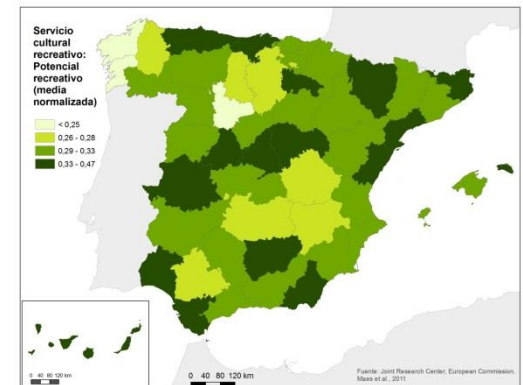
Producción, flujo



12 REGULATING



1 CULTURAL



INTEGRATION SPATIAL ANALYSIS

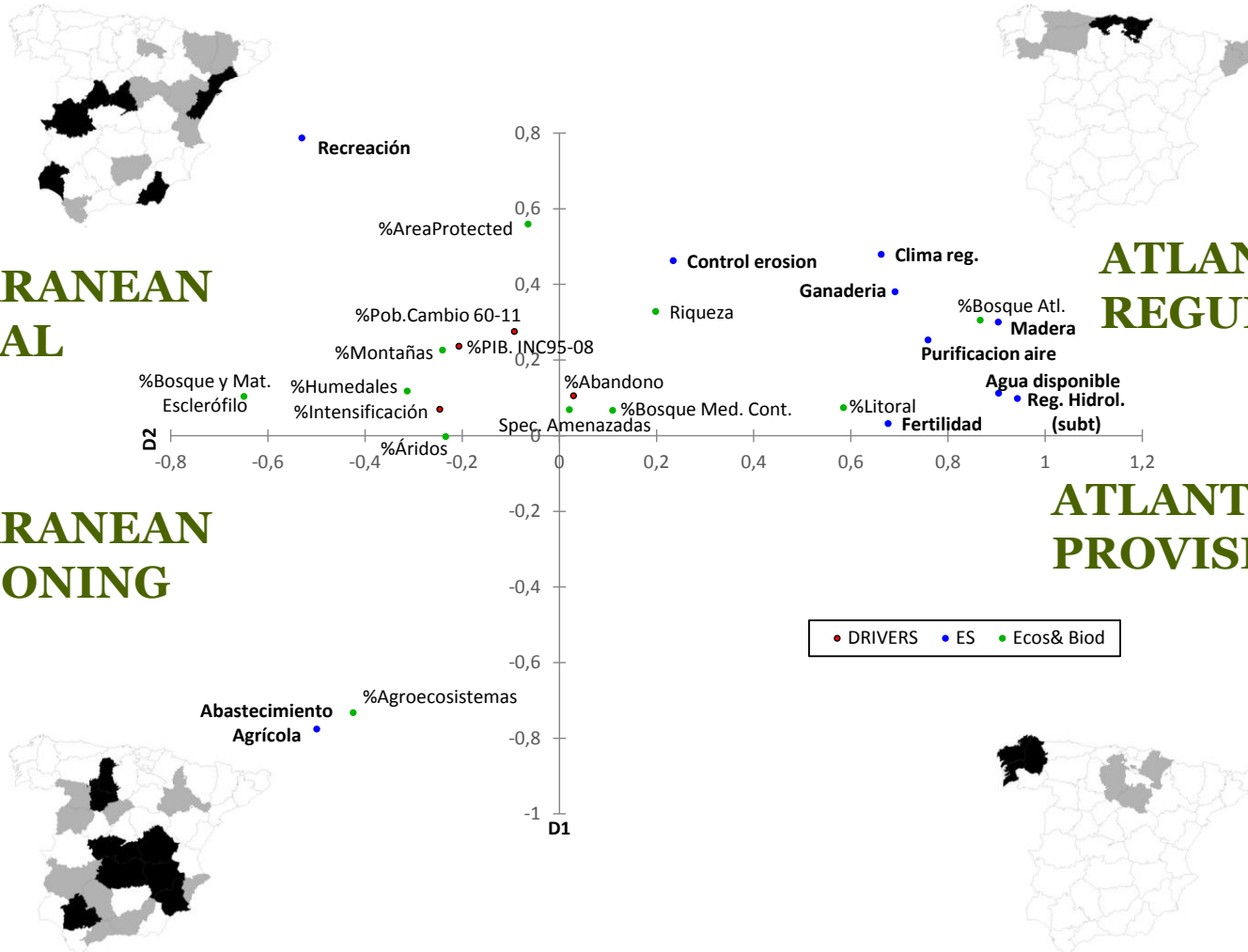


**MEDITERRANEAN
- CULTURAL**

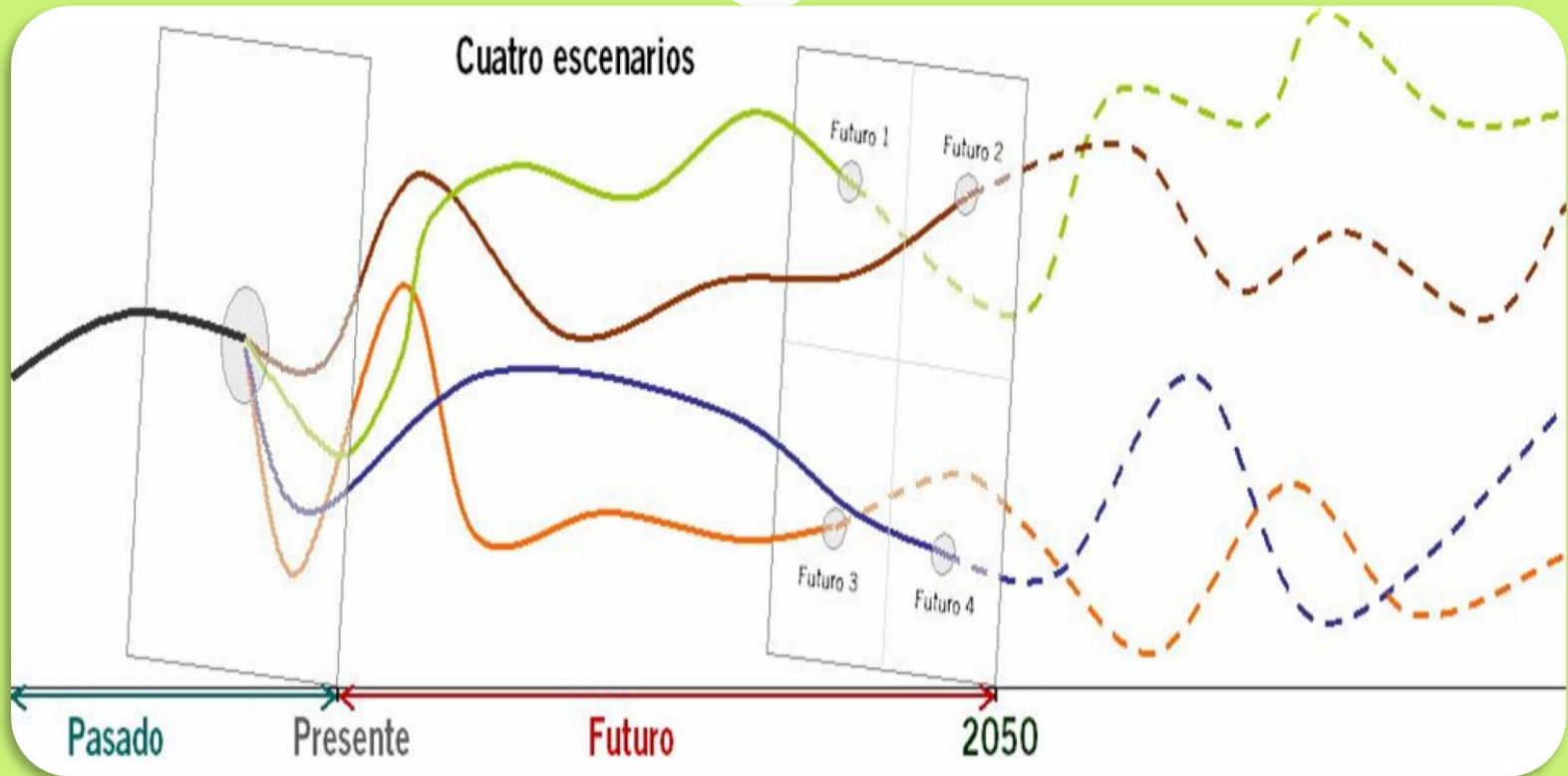
**MEDITERRANEAN
- PROVISIONING**

**ATLANTIC -
REGULATION**

**ATLANTIC -
PROVISIONING**



II. FUTURE SCENARIOS



QUALITATIVE AND QUANTITATIVE METHODOLOGY



PARTICIPANTS:

259 people FROM 57 ORGANIZATIONS

(University, Business, NGOs, Government, Protected areas,
Media and Unions)

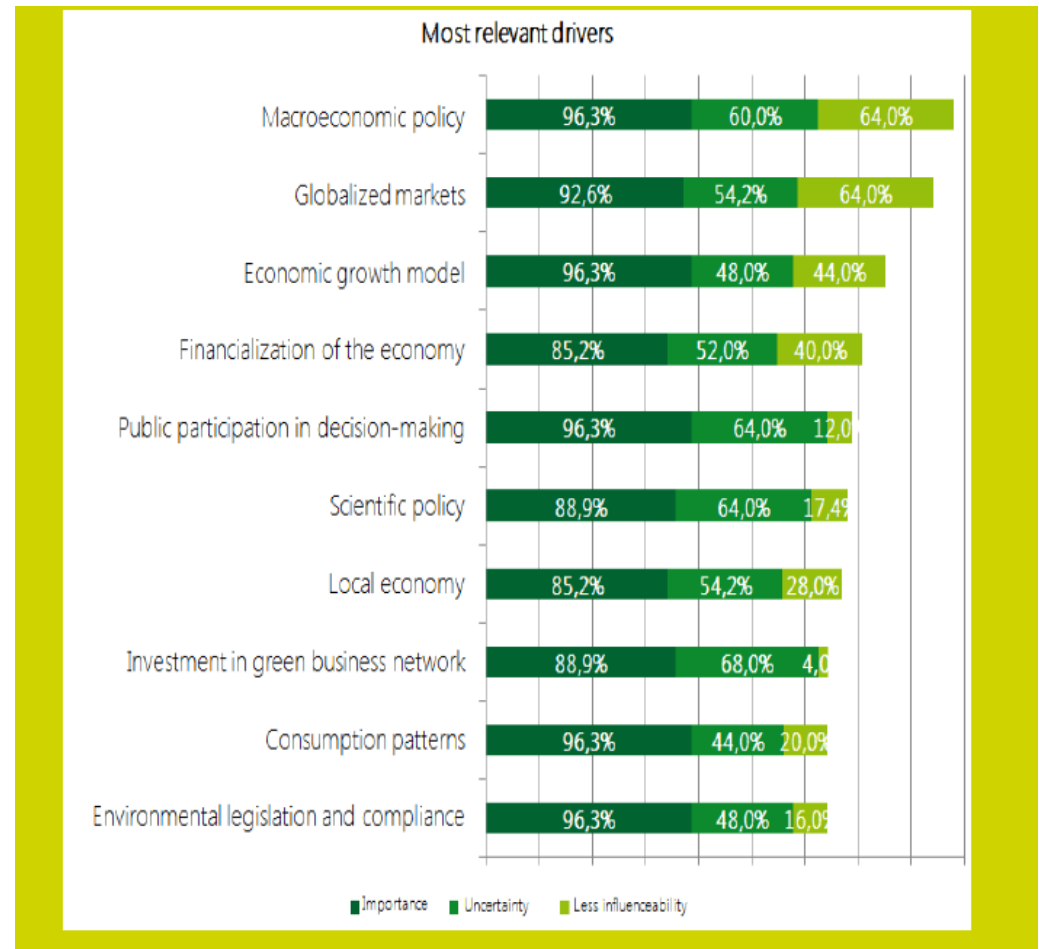


SELECTION OF DRIVERS TO DEFINE THE SCENARIOS



On-line Survey questionnaire.

Discussion of the 22 most significant drivers according to the degree of importance, uncertainty and less influence.

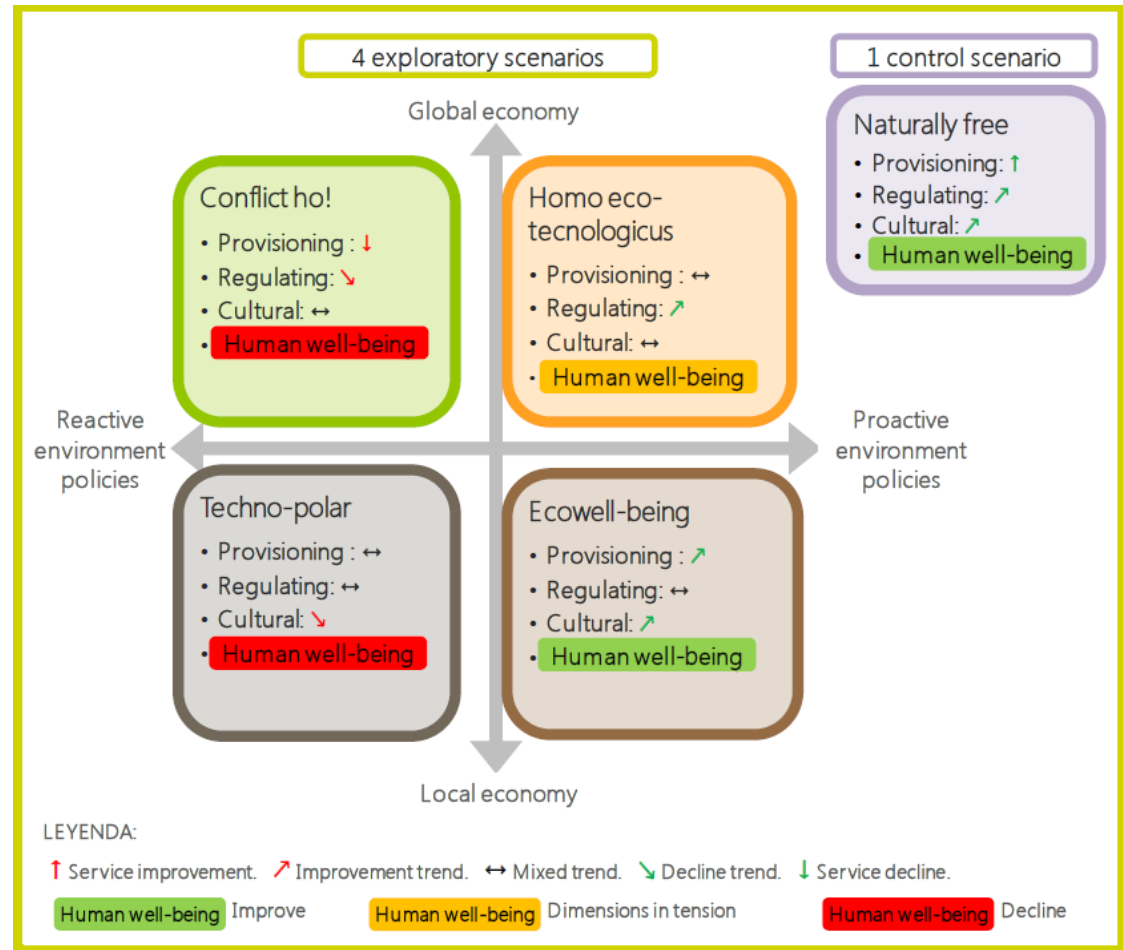


5 FUTURE SCENARIOS (2012-2040)

Technical Seminar (participatory workshop)

March, 2012 with 4 spaces
for group work: drivers of
change, ecosystem
services, human wellbeing
and proposals.

Participation of 49 people
from 42 organizations.



205 PROPOSALS FOR THE TRANSITION TO SUSTAINABILITY IN SPAIN

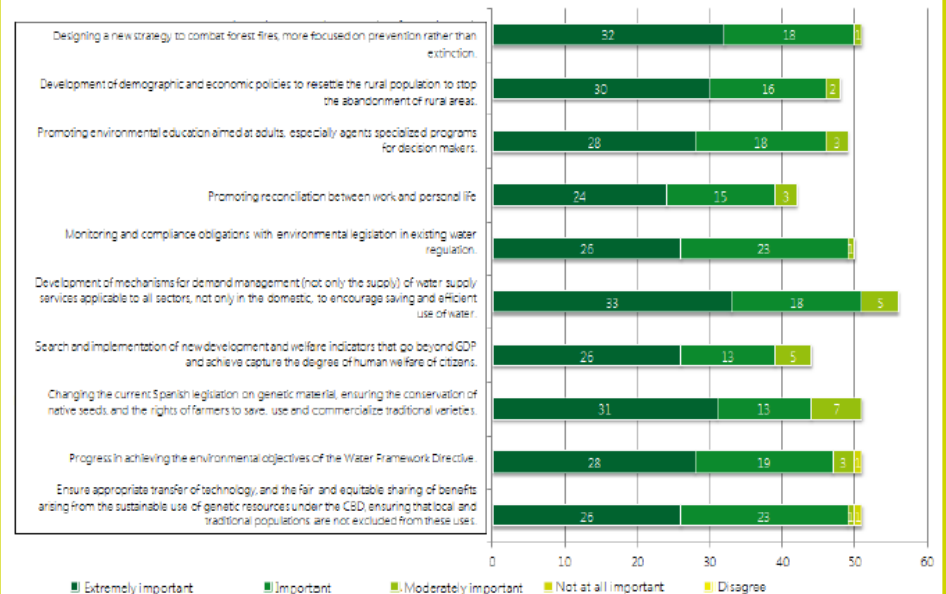


Survey questionnaire
self-applied after the workshop focused on probing the degree of agreement with the proposals.

Participation of 57 people from 55 organizations.

Impulsores	Propuestas	Estado de los impulsores en los escenarios Información recopilada por las personas interesadas de los archivos de relación sobre la sesión I Se valorará la info con gomets: ●●●●●	Servicios de los ecosistemas	Propuestas	Estado de los servicios en los escenarios	
					Deseable	No deseable
Económicos					Información recopilada por las personas interesadas de fichas de los subgrupos de la sesión II	Información recopilada por las personas interesadas de fichas de los subgrupos de la sesión II
Socioculturales			Agua			
Políticos			Acervo genético			
Científico-tecnológicos			Alimentación			
Demográficos			Energía			
Cambios usos del suelo			Reg. Climática			
Contaminación			Etc.			
Sobreeplotación						

The 10 proposals valued as most important



NEXT STEPS

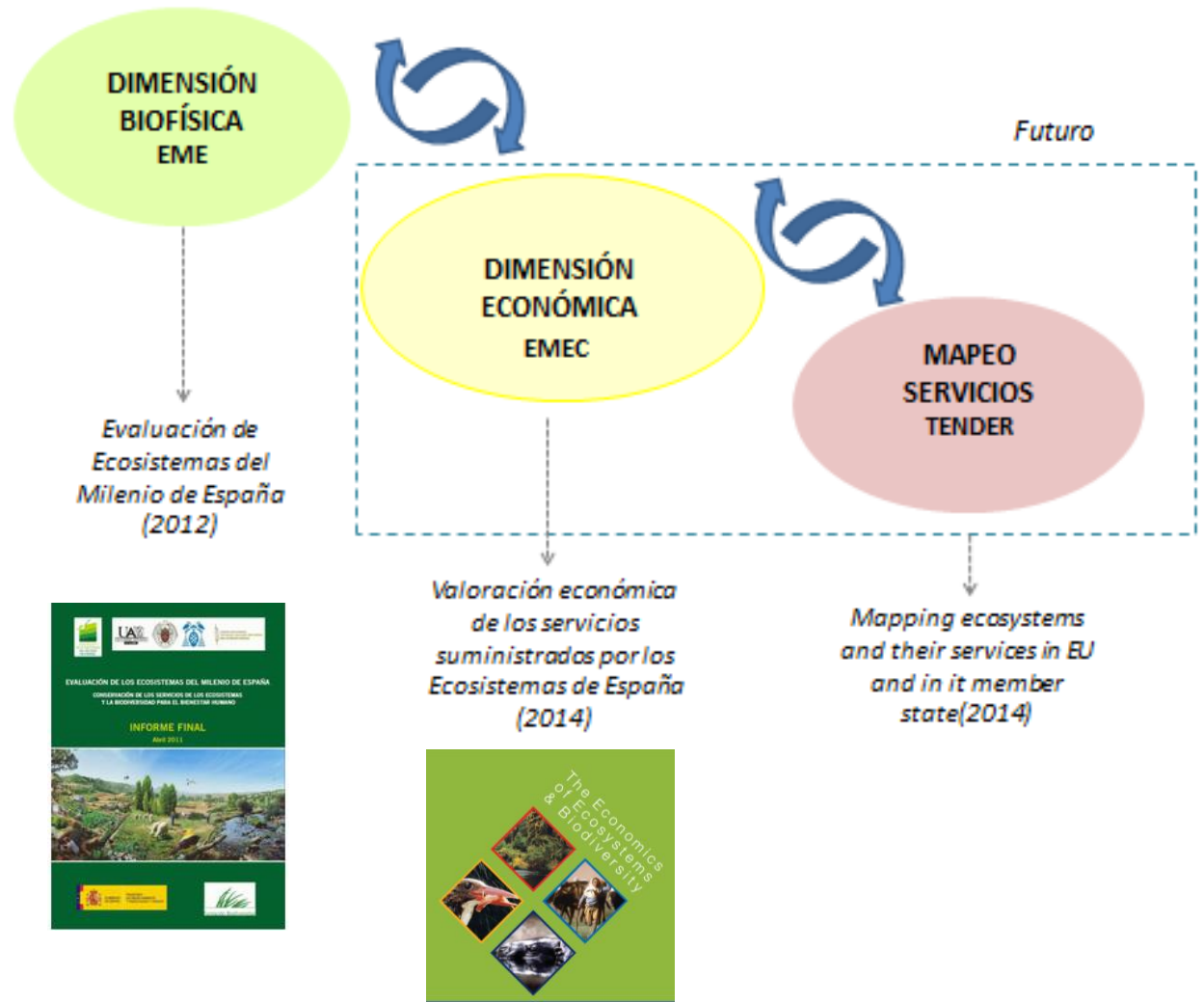


WHERE ARE WE?

PAST:
BIOPHYSICAL
DIMENSION

PRESENT:
SOCIO-ECONOMIC
VALUATION

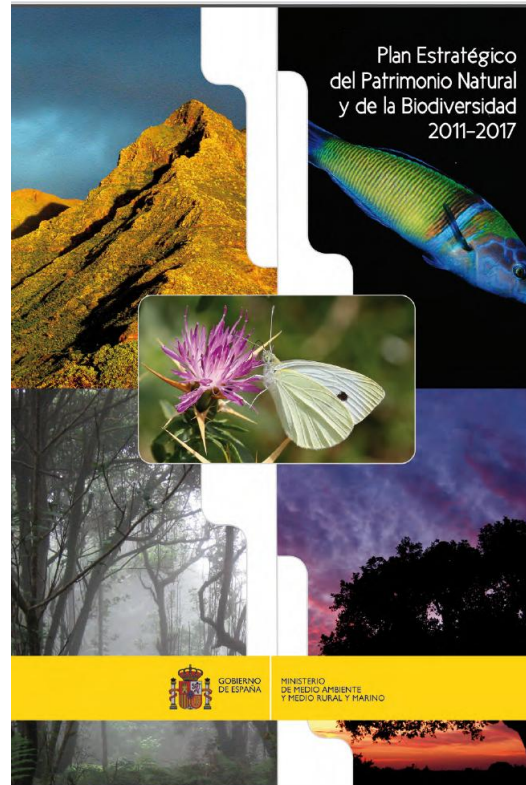
FUTURE:
MAPPING
ECOSYSTEM
SERVICIES (EU)





POLITICAL IMPACT

To meet agreements
marked by Spain at
national and EU level
on biodiversity and
ecosystem services





OTHER SUBGLOBAL ASSESSMENTS IN SPAIN

WE COLLABORATE
WITH OTHER
SIMILAR PROCESS AT
REGIONAL SCALE

MILENIO EN BIZKAIA

- Contexto
- Objetivos
- Noticias
- Investigación
- Difusión
- Enlaces
- Más información

EVALUACIÓN DE LOS ECOSISTEMAS DEL MILENIO EN BIZKAIA

Jueves, 20 de Noviembre de 2008 17:18



Milurteko Ekosistemen Ebaluazioa **Bizkaian**
Evaluación de los Ecosistemas
del Milenio en **Bizkaia**

CONSEJERÍA DE AGRICULTURA, PESCA Y MEDIO AMBIENTE

La Evaluación de los Ecosistemas del Milenio en Andalucía

Haciendo visibles los vínculos entre
naturaleza y bienestar humano

FOR FURTHER INFORMATION

<http://ecomilenio.es>

ECOSISTEMAS para el bienestar humano

EVALUACIÓN DE ECOSISTEMAS DEL MILENIO DE ESPAÑA

A polinización está en la base de producción agrícola

INFORMES DESTACAMOS... NOTICIAS

RESULTS REPORT June 2012

SUMMARY REPORT September 2011

Spatial Analysis Report EME, was performed a statistical analysis in which data have been entered 15 variables with expression level territorial province. The end result can display synergies and trade-offs, as well as the provinces where these exchanges and synergies are realized.

Ambienta Magazine # 98, March 2012. In this special issue of the journal *Ambienta* Assessment Millennium Ecosystem through 14 articles focused mainly operating ecosystem types: agroecosystems, forests, mountains, cities, groundwater, lakes, and shores humedales.

Lessons learned for the development of the Millennium Ecosystem Assessment

First steps of the strategy of water collaboration in Spain

First results of Project Millennium Ecosystem Assessment in Andalucía

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La polinización está en la

EVALUACIÓN

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THANK YOU

