

# ptTEEB: building on the experience of ptMA

Cristina Marta-Pedroso<sup>1</sup>, Vânia Proença<sup>2,3</sup>, Henrique Miguel Pereira<sup>3</sup>, Tiago Domingos<sup>2</sup>

<sup>1</sup>CIMO, Centro de Investigação de Montanha, Instituto Politécnico de Bragança

<sup>2</sup>IN+, Centro de Estudos em Inovação, Tecnologia e Políticas de Desenvolvimento, Instituto Superior Técnico, Lisboa

<sup>3</sup>CBA, Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa



**ptMA** (the Portuguese Sub-Global Assessment of the Millennium Ecosystem Assessment) was lead by the CBA (University of Lisbon). The initiative was concluded in 2009. **ptMA** involved a multidisciplinary team of about 60 national experts. It was designed to respond to the needs of a group of users from different societal sectors (e.g., local governments, NGO's, agriculture and industry sectors)

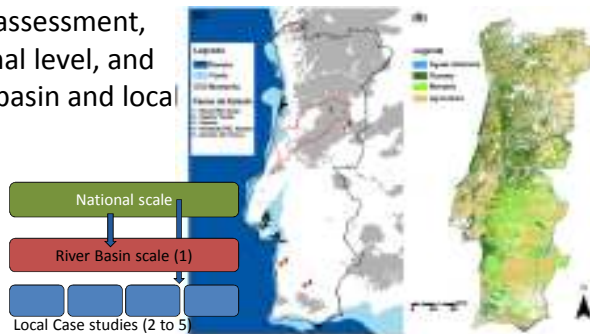


**ptTEEB** (The Portuguese TEEB) is promoted by two academic institutions IN+ (Instituto Superior Técnico, Lisboa) and CIMO (Instituto Politécnico de Bragança) and involves a multidisciplinary team of scientists from other Portuguese and non-Portuguese academic institutions, Government agencies, NGO's and the private sector. A 4 years time frame was set to conduct the assessment (2011-2014).

## Scale of the assessment

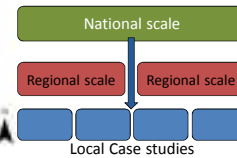
**ptMA** was a multi-scale assessment, undertaken at the national level, and with case studies at the basin and local levels (left map).

Systems included at the national scale included: forest, agriculture, montado, mountain, inner waters, oceanic, and coastal (both maps)



**ptTEEB** aims at a multi-scale approach – national, regional and local - having stakeholders and case studies identified at the three scales.

The case studies include cases targeted in ptMA and in the Portuguese LTER (Long Term Ecological Research Network)



## Assessment approach

**ptMA** followed an integrative approach. Existing data were compiled by experts on the various systems and integrated to generate new knowledge. New data was generated for some case studies.

**ptTEEB** will integrate existing data but will also generate new raw data (e.g. empirical data on ecosystem services, economic values of ecosystem services) and products (models, maps).

## Dissemination and deliverables

Deliverables from **ptMA** include a comprehensive assessment report, an executive summary and an website. Members of the scientific team have been engaged on the dissemination of the ptMA. Deliverables can be downloaded from: <http://ecossistemas.org>



Deliverables from the **ptTEEB** will include a set of reports directed to different societal sectors. A case study directed to the business sector on the total economic value assessment of a freshwater mountain system has been already concluded.



**Summary:** The long term objectives of the ptTEEB are: take a multi-scale approach; establish policy scenarios; Model ecosystem services and drivers (direct and indirect); account for indirect (caused or avoided) effects (international trade of ecosystem services); estimate economic values (Direct estimations and Benefit transfer); contribute to national green accounting; develop and analyze policy instruments; Support decision making (government and private sector) regarding national and EU policies (e.g water directive framework, agricultural policy, biodiversity related policies, Environmental Liability Directive) and Invest in dissemination.