

European Research Area's contribution to Nature-Based Solutions: The view of BiodivERsA

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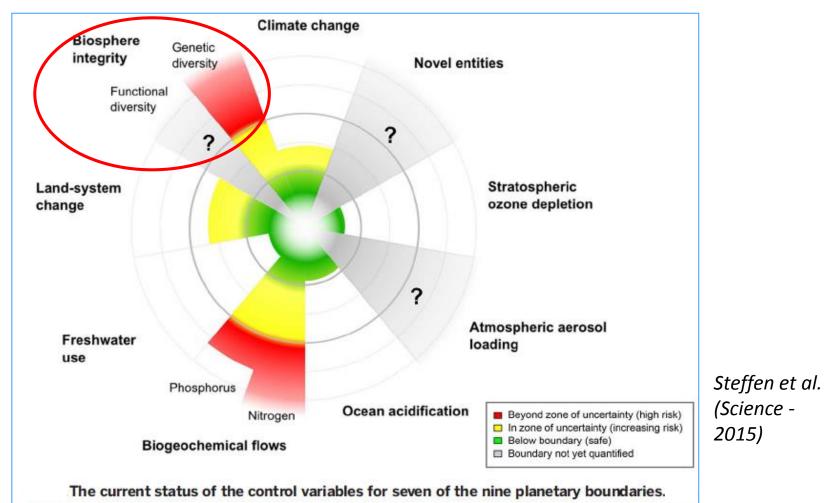


NBS Workshop – DG R&I and BiodivERsA (Brussels, 02/06/2015)



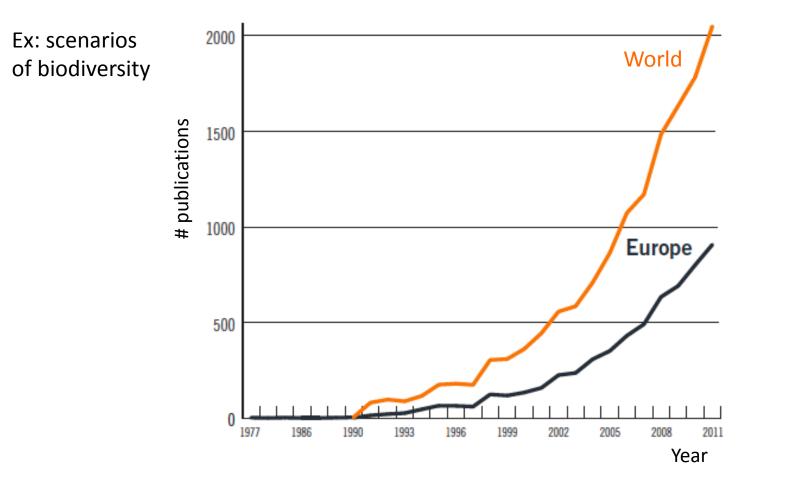


Preserving Biodiversity & Ecosystem services: a major challenge...

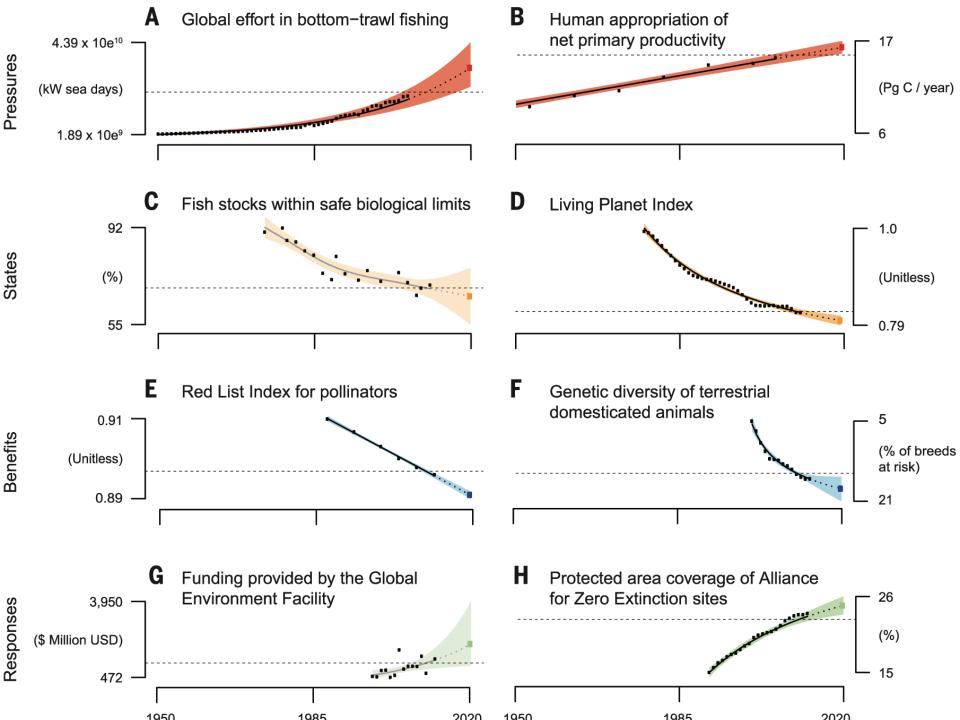




...which has strongly mobilized research



FRB report (2013)



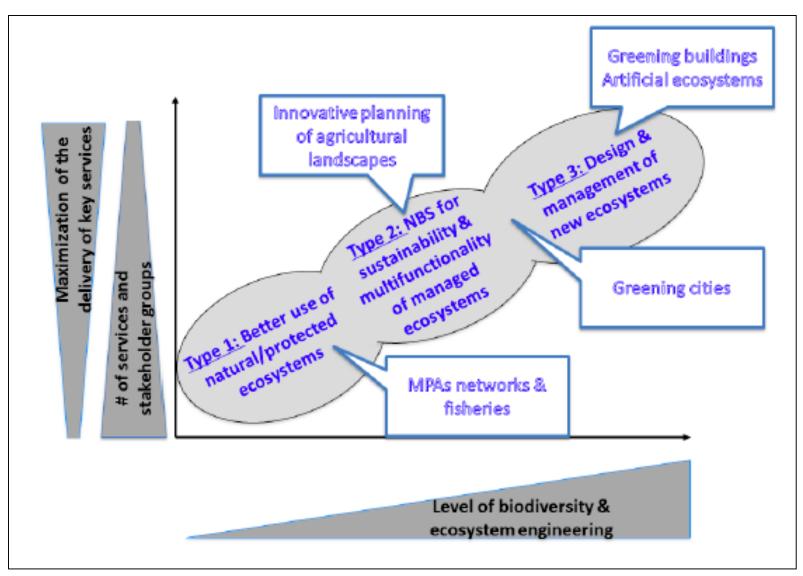


Preserving biodiversity is still a challenge... ...but we need to enhance the sustainability of human's activities, catalizing stakeholder mobilization

Nature-Based Solutions:
Pop up concept that
* still has to be framed
* but may help reach these goals

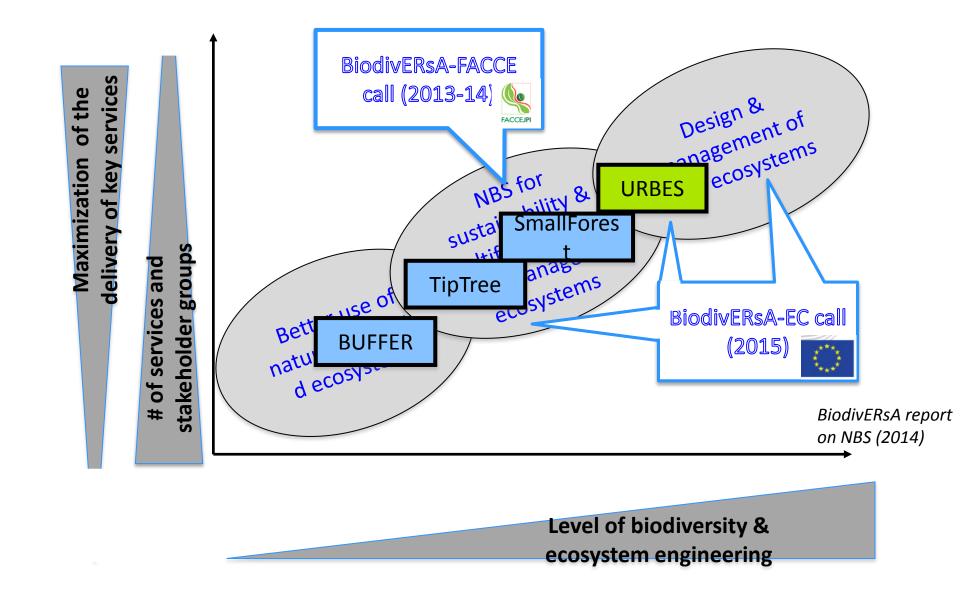


NBS typology proposed by BiodivERsA



Eggermont et al. (under revision)

As others, we discovered that we are supporting research projects on NBS





The challenge of <u>developing the knowleder base</u> for Biodiversity & Nature **diversa** ins **f Biodiversa** ins Towards **The View of Biodiversa** across **E The view** accounting for the new ERA landscape

(Aim: key role of the ERA for increasing European competitiveness on Nature-Based Solutions and making Europe a leader for NBS)



(1) Mobilize all European countries+territories with EC

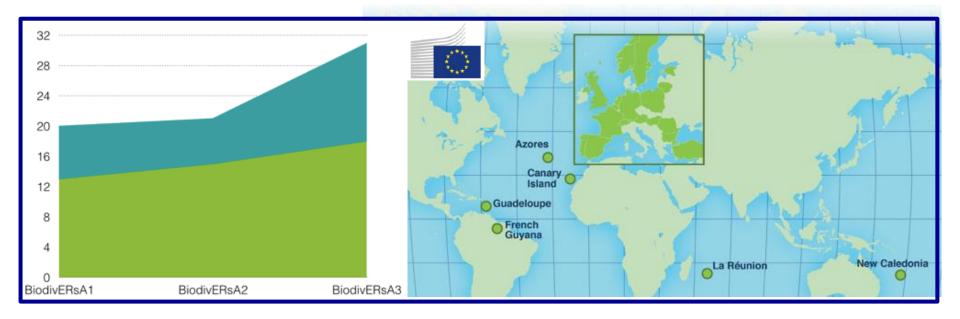


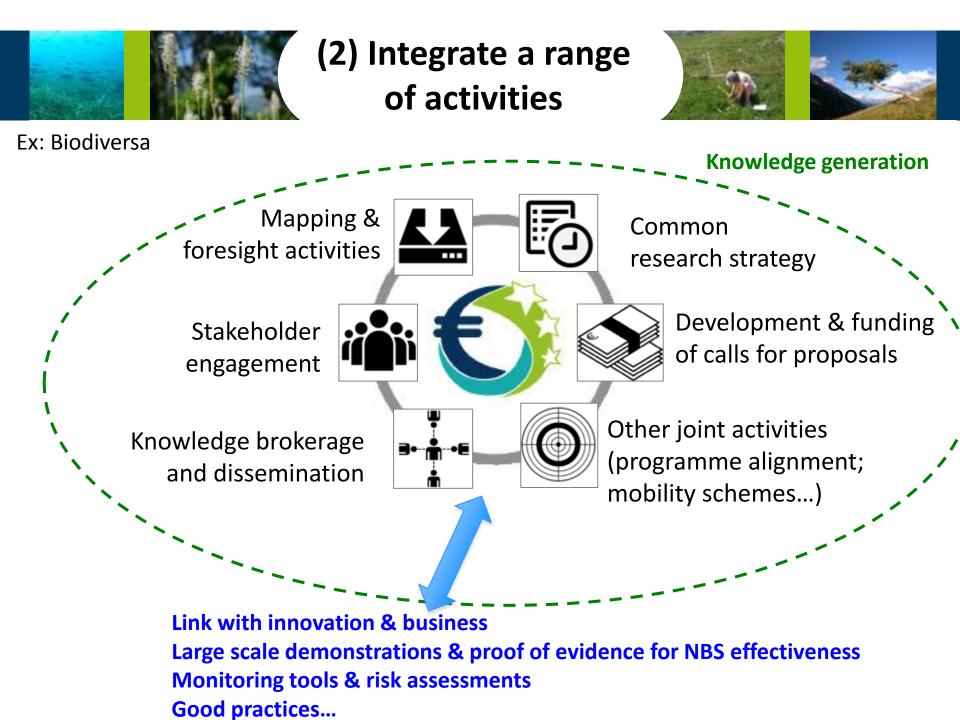
Ex: Biodiversa

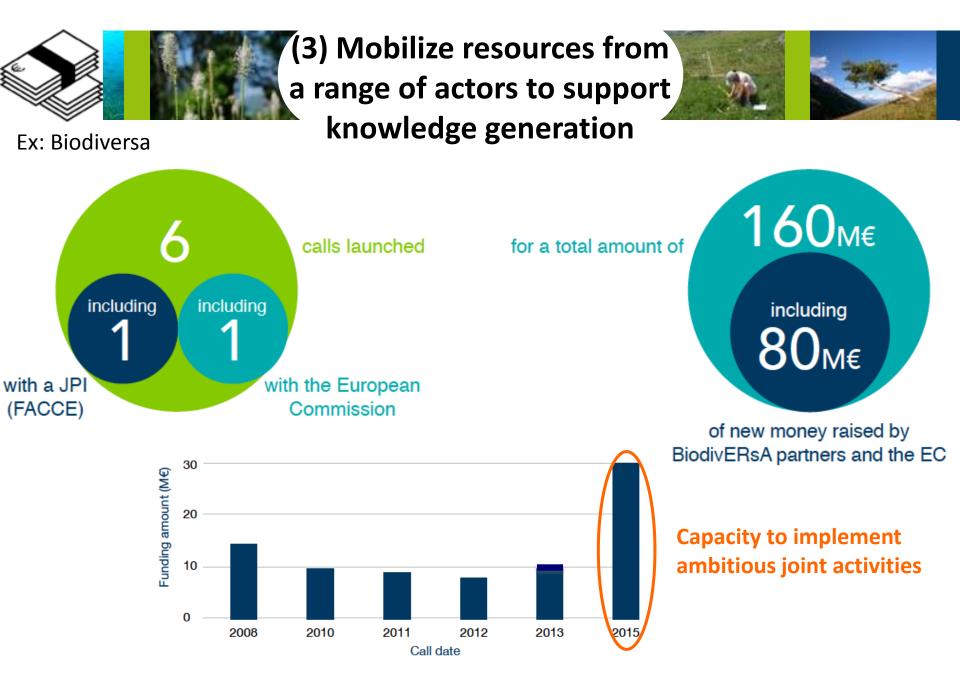
BiodivERsA1: FP6 ERA-net 2005-2010 (13 countries)

BiodivERsA2: FP7 ERA-net 2010-2014 (15 countries)

BiodivERsA3: H2020 ERA-net 2015-2019 (18 countries+1 + overseas)





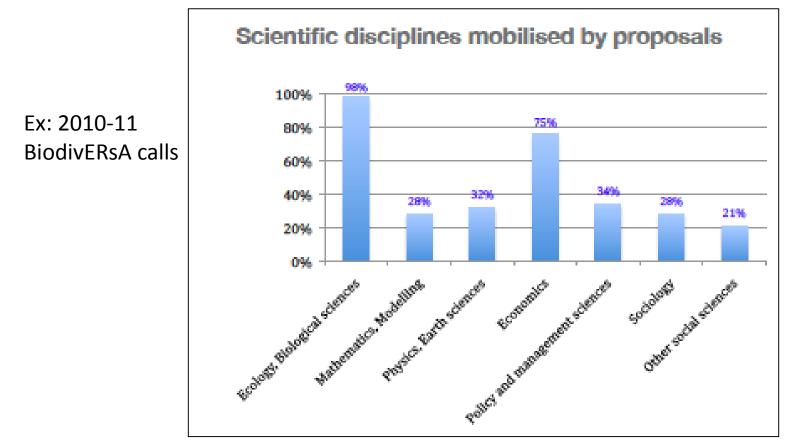




(4) Mobilize researchers + promote inter/transdiciplinarity



- Way to shape call texts
- Selection criteria and processes for research proposals
- Workshops, connections to other scientific communities
- ... can help





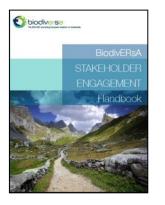
(5) Stakeholder engagement in the whole research process



Ex: Biodiversa

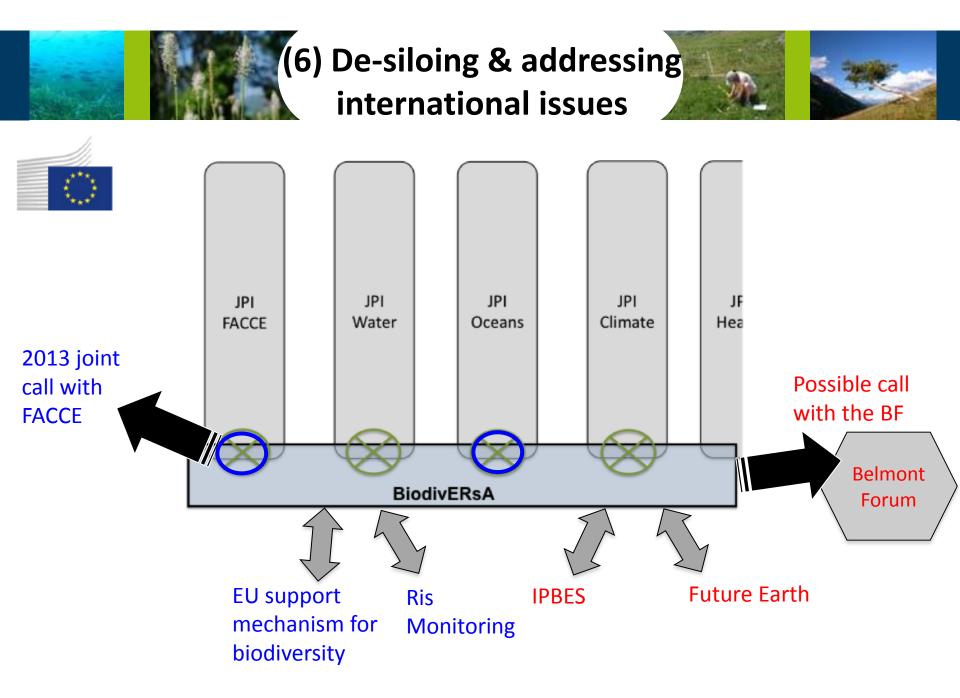
Promotion of stakeholder engagement

- Advisory board that includes scientists and stakeholders
- Part of the selection criteria for projects to be funded
- •Workshops, etc.
- BiodivERsA stakeholder engagement handbook



• 90% of projects funded by BiodivERsA involve stakeholders actually engaged in the research process







Threat #1



• Threat/Opportunity #1, concerning the TYPE OF KNOWLEDGE GENERATED Ex: Develop approaches for <u>greening</u> cities without using the potential of biodiversity to deliver multiple services and increase their resilience in a global change context

2 services targeted (cooling; greeness) Few stakeholder types Short term perspective Multiple services targeted Many stakeholder types Long term perspective accounting for resilience SUSTAINABILITY



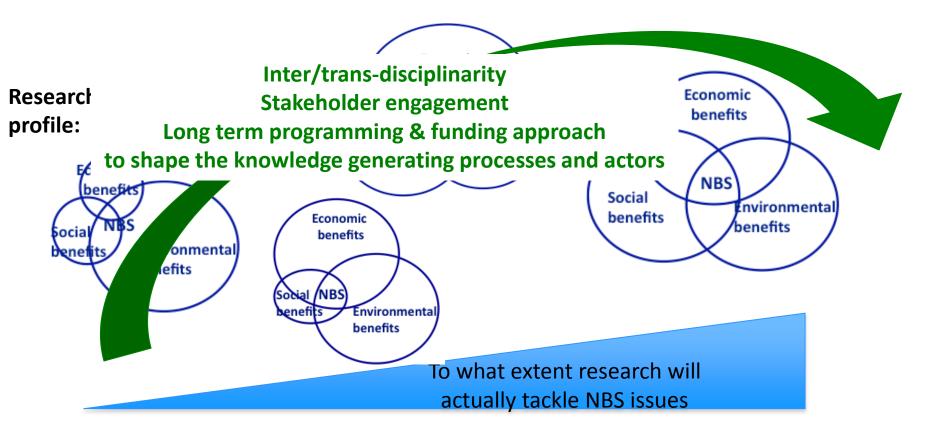
- → Swards and urban forests with sufficient genetic, taxonomic & functional diversity
- → NBS guided by ecological engineering



Threat #2



Ex: Develop research approaches without proper balance between social, economic & environmental facets





Conclusions



<u>A change of mindset needed !</u>

Disciplinarity → Inter/Trans-disciplinarity One vision, one silo → Addressing tradeoffs and underlying conflicts, desiloing Simplicity → Complexity Predictibility → Uncertainty Short term benefits → Long term sustainability

Recognize and tackle these challenges, by calling for more <u>systemic</u> approaches in research and novel approaches to conduct research (in addition to existing ones) ... thanks to more <u>systemic</u> approaches in research programming and funding



Thank you for your attention !

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