



Engaging in a wider knowledge dialogue insights from ENABLE

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« Understanding and managing biodiversity dynamics to improve ecosystem functioning and delivery of ecosystem services in a global change context: the cases of soils and sediments, and land- river and sea-scapes »

A decorative banner at the top of the slide features a central white oval containing the title. To the left of the oval are images of an underwater scene and tall grasses. To the right are images of a person in a field and a landscape with a tree. The banner is accented with vertical green and blue bars.

TRANSDISCIPLINARY KNOWLEDGE GENERATION

Why transdisciplinary collaboration?

- Faster uptake of research
- Accelerates scientifically informed action
- Richer understanding
- Joint learning
- Context relevant implementation

Principles for engagement

- Combining flexibility with stability
- Embedded in 'real' processes
- Neutral ground
- Case unique partnerships
- Reflective practice and documentation



THREE TIERS OF ENGAGEMENT

Tier 1: Interdisciplinary development

- Specific, yet connected
- Flexible and diversity accommodating framework
- System model

Tier 2: Transdisciplinary case studies

- Local stakeholder landscape
- Previous history
- Common ground
- Multiple types of engagement

Tier 3: Wider knowledge dialogue and processing

- Feedback
- Gaps and opportunities
- Plural contexts
- Bridging organisations



ALIGNING PROCESSES

Systematic mainstreaming and integration of scientific research outcomes (frameworks, methods, 'facts', evaluation etc.) into the framing and formulation of policies and potential actions

- Policy cycles and ongoing processes
 - Finding gateways
 - Tailoring input
 - Transformation research
- Shared or changeable ownership
 - Roles and interests
 - Mandates and responsibilities
 - Resources and legitimacy



BARCELONA

Co-owned workshops and citizen forum

- “Enhancing resilience in Barcelona through green infrastructure planning and nature-based solutions”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the auspices of **ENABLE, NATURVATION**
- “Testing the Urban Nature Index (UNI) in Barcelona”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the auspices of **ENABLE, NATURVATION**
- “Beyond renaturing cities: Integrating social justice and health equity in urban greening”. International Symposium and stakeholder workshop organized by **IUCN, ICLEI, ICTA-UAB and other organizations** under the auspices of **ENABLE, NATURVATION and Greenlulus**
- “Exploring green roofs as nature-based solutions in Barcelona: guided tour in rooftop garden of IMPD”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the auspices of **ENABLE, NATURVATION and Greenlulus**
- “Nature-based solutions and health: Can we make healthier cities through NBS?”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the auspices of **ENABLE and NATURVATION**
- “How to increase and enhance green infrastructure in compact cities? The Barcelona Urban Green Infrastructure Program”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the auspices of **ENABLE and NATURVATION**
- “Barriers and opportunities to integrate nature-based solutions in urban planning”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the auspices of **ENABLE and NATURVATION**
- “Identification, mapping and prioritization of nature-based solutions in the metropolitan area of Barcelona”. Stakeholder workshop organized by **ICTA-UAB and ENT** under the framework of **ENABLE and NATURVATION**



STOCKHOLM

Workshops

- *Reference groups – consultation*
- *Resilience workshops – iterative, facilitated co-creation*
- *Focus groups – feedback, dissemination, refinement*
- *Dialogue forum – dissemination, feedback, refinement*
- *Conference – dissemination and application*

Targeted processes and venues

- *Swedish National Board of Housing, Building and Planning, on urban ecosystem services*
- *Swedish Environmental Protection Agency, on green infrastructure*
- *County Administrative board, Green Infrastructure Strategy*
- *Municipal comprehensive and green plans, GI Strategies etc.*
- *Swedish Green Building Council – development of a sustainable city district certification*
- *C/O City – platform and venue*
- *SNOD – platform and venue*



HANDING OVER THE BATON

Expectations and roles, when is it time to step back and hand over the lead? And how it is done.

- Implementation
- Taking action
- Advocacy
- Refinement and operationalization
- Closing windows, new processes

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