

RS of ecosystem functioning to support the development of EBVs

Workshop Reporting

Workshop coordinators:

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Rapporteur:

Pedro J. Leitão



Workplan: Problem

Ecosystem functioning: exchanges of matter and energy between the biota and the physical environment

Carbon cycle	(Greenness, fPAR,...)
Water cycle	(EVT, soil moisture,...)
Energy balance	(LST, albedo,...)
Nutrient cycling	(Nitrogen, lignin,...)

Workplan: Problem

Revisiting the current EBV candidate list

Carbon cycle

NPP, secondary productivity

Water cycle

...

Energy balance

...

Nutrient cycling

Nutrient retention

Disturbance regime (fire, floods, etc.)

Ecosystem composition by functional type

Workplan – Activities, Timelines, Partners

Activities:

Proof of case

- Develop global map of functional diversity
Ecosystem composition by functional type
- Relevance for informing on species habitats & ES

Improve list of candidate EBVs (variables and sub-variables)

- Propose preliminary list of candidate sub-variables
- Score sub-variables

Coordinate with RS-EBV

Workplan – Activities, Timelines, Partners

Timelines:

First focus on the 10th of September deadline for submission of level zero document:

Scope

Concepts

Workplan

Developing proof of case - tbd

Workplan – Activities, Timelines, Partners

Participants interested:

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María Vallejos, UBA Argentina

Petteri Vihervaara, SYKE Finland

Mao-Ning Tuanmu, Academia Sinica Taiwan

Bob Scholes: Include more people from the southern Hemisphere!!

Would you like to propose a BON or a Working Group?

Not clearly defined, but most probably an horizontal WG on Ecosystem Functioning

What other parts of GEO BON does this workplan connect to? How?

Ecosystem functioning EBVs have clear linkages with other EBVs & BONs

Interactions with:

RS-EBV



Henrique: Needs to be well coordinated!!

Species distributions

Ecosystem services

MBON