

Creating the key enabling conditions for the bioeconomy

Parallel Session 4

Natural capital: protecting and exploiting biodiversity

Synthesis of key messages

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Key messages (1/2)

- Positive relationships between bioeconomy and biodiversity are a **perceived need**, not yet to be taken for granted; but there is a sense of **urgency**.
- Do not stick to a short-sighted approach; **long-term view** of **opportunities** in the Bioeconomy and of **risks** inherent in 'business as usual' is required.
- Multiple sources of added value ('**cascading**') may promote a diversity of biomass types and increase resilience and robustness of agricultural systems.
- LCA of production models vis-a-vis sustainability (also economic!) show the need for '**ecological intensification**'.
- **Healthy environments** are more productive, especially in the marine sector. Diversity may be at landscape level, not necessarily at plot level.

Key messages (2/2)

- Better understanding of **agro-ecosystems** and **marine ecosystems** needed (including roles of bacteria).
- Breed for **specialization** (high GxE interaction), not for all-purpose cultivars.
- Encourage further **exploration** of resources and uses.
- Increase focus on **marine resources** (biology, ecology, management). Great potential for improvement (also because starting from a hunting-gathering system)
- Consideration for the **public good in policy development**: regions of biodiversity ensure future evolutionary processes. Shared benefits.
- **Good examples** (business cases) wanted to deviate from 'business as usual'. **Success stories. Communication.**



**The future
is biodiverse**