



Colonization of Wetland Habitat: Plant Dispersal and Establishment

- *Gudrun Bornette* Propagule banks in aquatic wetland ecosystems: disturbances as a key process
- *David Gowing* The dynamics of species-rich meadows on UK floodplains
- *Norbert Hölzel* Colonization and succession in restored wet grasslands: Lessons from longterm experiments
- *Joseph Shisler* Saltmarsh ecosystem restoration on intertidal/submerged cap in an urban system



Why dispersal & colonization?

- Natural landscape dynamics
- + Habitat loss and fragmentation
- + Climate change
- Plants need to disperse to survive

But... we have little quantitative information about dispersal and colonization

Essential for understanding and predicting current & future plant species dynamics
and effective planning of conservation & restoration activities



Why dispersal & colonization?

- Current & future species dynamics
 - metapopulations
 - survival in fragmented landscapes
 - migration
 - invasive species
- Conservation & restoration activities
 - landscape planning
 - connections in the landscape
 - source populations
 - dispersal & colonization potential



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