



Myricaria germanica:

Experiments regarding seed germination and water stress

Term paper within the project "Integrales Flussgebietsmanagement"

March 16th 2009; Benkler Christoph, Bregy Jasmin; coached by Christoph Scheidegger

Questions

- ❖ Germination performance on different substrates?
- ❖ Germination performance while experiencing stress?
- ❖ Change in germinability of seeds after exposure to water stress and immersion?
- ❖ Variations in the above characteristics of different populations?

References to the Major Project

- ❖ **“The hydro peaking problem”**

- ❖ Contribution to the research into the effects of hydro peaking on the river ecosystem

- Experiments regarding different water stresses during the germination of *Myricaria germanica*

- Experiments regarding submersion resistance

References to the Major Project

- ❖ **“Quality of habitat and biodiversity”**

- ❖ Contribution to the characterization of habitat quality for *Myricaria germanica*

- Germination-experiments with different substrates and different levels of waterstress

References to the Major Project

- ❖ "Longitudinal and lateral connection of riversheds"
 - ❖ Contribution to the investigation of propagation characteristics of *Myricaria germanica*
 - Immersion experiments
 - ❖ Contribution to the investigation of fitness restrictions of *Myricaria germanica* induced by reduced linkage
 - Observation of different populations

Schedule

- ❖ **May:**

Planning of experiments

- ❖ **July:**

Gathering of seeds, supported by Rebecca and Tabea → run experiments

- ❖ **August:**

Evaluation

