

Workshop *Vitis sylvestris*

Objective: broad genetic basis of *Vitis vinifera* L. subsp. *sylvestris* (Gmelin) Hegi for deep studies

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Abstract

Vitis vinifera ssp. *sylvestris* is the wild relative of the cultivated grapevine *Vitis vinifera* ssp. *vinifera*. In order to better understand the differences between wild and cultivated compartment of *Vitis vinifera* molecular tools provide excellent diagnostic possibilities. The comparability of different studies would benefit greatly from a methodologically coordinated approach. The aim of the workshop is therefore to discuss a methodological toolkit that allows a broad genetic analysis of *Vitis sylvestris* in its entire distribution area and allows in-depth studies. The workshop will address the

Identification, preservation, and population genetics of true *Vitis sylvestris*

- analysis of individuals, which were not genotyped yet
- exclusion of feral types and hybrids
- overall genetic diversity, differentiation etc.
- putative dispersal routes

Marker tools

- Microsatellite-markers
 - agreement and utilization of common reference varieties from cultivated gene pool
 - agreement on a common set of SSR markers
 - gathering of additional non published SSR-data
- SNP-markers
 - discussion on a common genotyping method (WGS, SNP chips, GBS etc.)
 - common data structure with alignment to most recent PN40024 version (at the moment v2; soon v4)
 - plastid genome analysis

Keywords: *Vitis sylvestris*, genotyping, microsatellites, SNPs