

# Restoring vegetation through direct seeding or planting: A continental-scale experiment



## Timing of the experiment

		2021			2022			2023			2024				
ACTION															
PARTICIPANTS	Site preparation		Soil preparation. Marking plots and plant-points	Weeding*	Weeding*	Weeding*		Soil preparation. Weeding*	Weeding*	Weeding*		Weeding*	Weeding*	Weeding*	
	Seed preparation		Seed collection, selection, storage												
	Seeding		Seeding in the field		Measure emergence			Initial seedling measurements		Seedling measurements after growing season		Assess survival after winter		Seedling measurements after growing season	
	Planting		Start nursery cultivation					Outplanting nursery seedlings & Initial seedling measurements. Dead-seedling replacement & measurement		Seedling measurements after growing season		Assess survival after winter		Seedling measurements after growing season	
	Deliverables		Send site and species info. Post seeds and soil		Data #1			Data #2		Data #3		Data #4		Data #5	Post dry plants (to be decided)
COORDINATORS	Germination test and soil analysis		Start of germination test	Soil analysis	End of germination test										
	Data management	Attract and inform participants	Disseminate full study protocol			Prepare emergence, soil and germination data			Prepare data		Prepare data			Prepare and analyse data	
	Write-up			Write up introduction & methods				Update introduction & methods						Prepare results & discussion	

\*when ~80% of the plots is covered by herbs

### Material requirements

The experiment is non-funded.

Participants will need:

- Local seeds
- Site for planting
- Greenhouse or a nursery facility for plant cultivation
- Transportation of containerized seedlings
- Materials for digging, marking plots and tagging plants
- Oven, lab & field scales
- Ruler & caliper

### Deliverables

- Beginning**
  - \* Seeds for germination test
  - \* Composite soil sample
- End**
  - \* Oven-dried plants
- Along the experiment**
  - Data and information
    - Species selection
    - Site selection
    - Data

### Next steps

[Register](#) if you haven't done so

Have a look at the [map](#)!

Complete protocol will be ready in autumn.

Precise site locations and species to be requested soon

Any questions, please contact

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