an EU training initiative in native seeds production and use for grassland restoration

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What is NASSTEC?

European Union (EU)

Seventh Framework Programme (FP7)

Marie Skłodowska Curie Initial Training Network

Running from April 2014 to April 2018
NASSTEC full partners:

- SCOTIA SEEDS
- JHI
- KEW
- SYNGENTA SEEDS
- UNIPV
- MUSE
- SEMILLAS SILENSTRES

NASSTEC associate partners:

- Botanic Gardens and Parks Authority (Australia), Jardín Botánico Atlántico (Spain),
- Mylnefield Research Services (UK), National Trust for Scotland (UK),
- Provincia Autonoma di Trento (Italy)
OBJECTIVE
Create a functioning network of academic and industry specialists able to produce and use European native seed effectively and efficiently for grassland restoration.
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- 10 million ha \( \uparrow \) biodiversity value
- Habitat at risk
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NATIVE SEED INDUSTRY

• In many cases unable to meet the demand
  • High variability in seed quality
  • Loopholes in EU regulation
• Uneven development across the continent
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https://doi.org/10.15258/sst.2017.45.1.03

Tetrazolium staining predicts germination of commercial seed lots of European native species differing in seed quality

M. Marin1,2, P. Toorop3, A.A. Powell4 AND G. Laverack1,4

INSR Symposium: Get Smart in Using Native Seed

2017 National Native Seed Conference
February 13-14, 2017
Gimli, Manitoba, Canada
Ca. 76 native seed producers in 17 countries
Seed Transfer Zones

- Austria
- Czech Republic
- France
- Germany
- Great Britain
- Norway
- Switzerland

14% countries
18% of European territory
• Austria
• Czech Republic
• France
• Germany
• Great Britain
• Norway
• Switzerland

INSR Symposium:
Get Smart in Using Native Seed

• Austria
• Czech Republic
• France
• Germany ★
• Great Britain
• Norway ★
• Switzerland
HOW?

• Delivering key practical **training** to ESRs and partners to ensure high quality seed sourcing and production;

• **Connecting** key disciplines and key stakeholders **building** a community of practice;

• **Submitting** to EU regulatory services draft guidelines on the production, certification and use of native seed.
Sub-programme A: *In situ* seed sampling

ESR 1A. Ladouceur E.
ESR 2A. Frische S.
ESR 3A. dello Jacovo E.
Sub-programme A: *In situ* seed sampling

ESR 1A. Ladouceur E.
ESR 2A. Frischie S.
ESR 3A. dello Jacovo E.

Sub-programme B: Seed biology characterisation

ESR 4B. Tudela Isanta M.
ESR 5B. Hernández González M.
ESR 6B. Wijayasinghe M.
ESR 7B. da Costa Teixeira A.
Sub-programme A: *In situ* seed sampling

ESR 1A. Ladouceur E.
ESR 2A. Frischie S.
ESR 3A. dello Jacovo E.

Sub-programme B: Seed biology characterisation

ESR 4B. Tudela Isanta M.
ESR 5B. Hernández González M.
ESR 6B. Wijayasinghe M.
ESR 7B. da Costa Teixeira A.

Sub-programme C: Production and deployment of seeds

ESR 8C. Marin M.
ESR 9C. Blandino C.
ESR 10C. Lopez del Egido L.
ESR 11C. Abbandonato H.
ER 12C. De Vitis M.
Sub-programme A: In situ seed sampling

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ESR 2A. Frischie S.
ESR 3A. dello Jacovo E.

Sub-programme B: Seed biology characterisation

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Sub-programme A: *In situ seed sampling*

**ESR 1A.** Ladouceur E.
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Sub-programme C: *Production and deployment of seeds*

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**ESR 9C.** Blandino C.
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TRAINING

Secondments & Exchange visits
TRAINING

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Summer Schools:
1. Seed collection
2. Seed germination
TRAINING

Secondments & Exchange visits

Summer Schools:
1. Seed collection
2. Seed germination

Workshops
1. Molecular diversity
2. IPR and patenting
3. Education and outreach
4. Industrial seed production
EVENTS

Seed production Workshop, 02/2017

Outreach Workshop, 09/2016
CONNECTING STAKEHOLDERS

and BUILDING A COMMUNITY
BUILDING A COMMUNITY

• Compilation of a **stakeholder list**

• Design and circulation of a **survey** to reveal needs, opinions and trends

• Publication of the **Native Seed Newsletter**

• **Online Forum** for discussion on Native Seeds

• Synergy with **INSR**
IMPACT & LEGACY

Useful data

Community of practice

Native seed selection tool

Handbook
IMPACT & LEGACY

Useful data
Community of practice
Native seed selection tool
Handbook

NASSTEC FINAL CONFERENCE

Seed Quality of Native Species - Seed ecology, production and policy

25TH – 29TH September 2017
Jodrell Lecture Theatre, Royal Botanic Gardens, Kew
London, UK

Save the date!
Thank you for your attention

...and keep connecting and sharing for better results!

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