

Lessons learnt from



Project in Slovenia

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Science Education in School, Bucharest 2009

p.o.l.l.e.n.



Seed cities

- A **community approach** for the sustainable growth of science education in Europe
- European research and development project supported by the DG RESEARCH (FP6) of the European Commission.
- Twelve seed cities for science in 12 European countries.

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12 Seed cities:



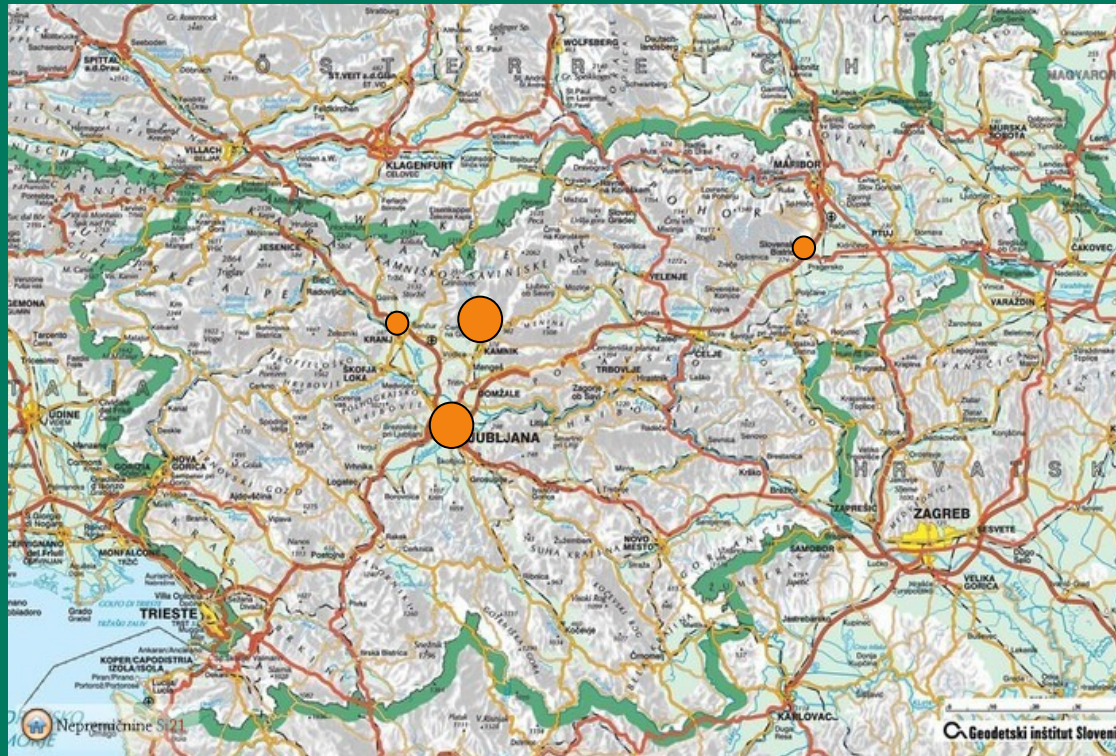
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Slovenian Seed cities

- Ljubljana
- Kamnik
- Kranj
- Slovenska Bistrica



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supporting active and inquiry based science teaching by

- organizing seminars for the teachers
 - theoretical background
 - content
 - experimental skills

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Slovenia focuses on

supporting active and inquiry based Science learning by

- renting experimental equipment for classroom use (NTA Sweden).

Each of the seed cities financed a person for refurbishing the experimental sets after each use; Ljubljana has organized transport to and from the schools.

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Slovenia in numbers

- **primary** teachers
(196 from 31 schools)

and

- **kindergarten** teachers
(175 from 14 kindergartens)

- **45 seminars (180 hours of training)**
for pre – and in- service teachers

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Slovenia in community

• **bottom - top**

- Primary science review
- Science festivals
- Local events
- Study groups

and

• **top – bottom**

- Board of Education
- Ministry of Education
- City councils
- Headteachers



Slovenian president,
Mr. D. Türk



Ljubljana Major, Mr.
Z. Jankovič

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Slovenia: lessons learned

- **peer to peer information**
- **ready to use equipment**
- **curricula oriented units**
- **relevance of science**
- **teaching is only the beginning** (assessment!)

- **official recognition of the work**
- **peer support**
- **duration**

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Slovenia: lessons learned

Thank you!

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