Innovative Local Actions to Support Education and Training Systems
Entrance in the OE museolaboratorio
Preliminary remarks

- innovation and social cohesion
- innovation in SMEs systems generated by network of competences
- identity and democracy
Officina Emilia
[State University of Modena and Reggio Emilia] is a rather complex initiative:

- many **fields of research** involved economic and technological, pedagogical analysis, teaching planning, documentation, dissemination, communication and information;
- **different actors** involved university, schools, companies, local administrations;
- **experimental nature**, which calls for research and action through analysis, planning, experimentation, assessment of effectiveness and, to some extent, re-planning.
Research issues

• *Local development and innovation*

• **Emilian Model**, social mobility, innovation processes in industrial districts

• *economic action as social action* provides the key to interpreting the transformations – those

• *Innovation from a complexity perspective*

• the role of competence networks supporting innovation and production processes,

• *Learning and education*
• Social cohesion, social services and welfare are key areas in terms of regional policy,
• investments made in day nurseries, pre primary schools and “full time” primary schools.
• Investments in vocational education and training

Policies implemented by local authorities: education, welfare and social cohesion
Changes and challenges

- Schools
- Families
- Local institutions
- University
- Young people
Education in Italy

• National curricula
• Humanities vs technology
• Teacher training
From research to action
The Officina Emilia Initiative

- promoting active knowledge of the local socio-economic and technological context
workshop-museum

- Relationships vs collections
- Narratives enhanced by
  - historical machine tools,
  - a workshop with working machines,
  - a true to life video on work in light engineering industries entitled “Places, people, machines and work”
  - the “log book” section,
  - the “metrology room”
  - the “room of the innovations”.
• Activities for students and teachers

• Proposals for school curricula

• In-service teachers training
Cd and booklets to document school class activities to share new practices.
Video interviews to document labour conditions immigration
A web site www.officinaemilia.it to share documents, news, to plan activities homm
Information for visitors
to document artifacts
in the museolaboratorio
Special events to open the muesolaboratorio to public
Special events
to open the muesolaboratorio for lecture
Special events to open the muesolaboratorio to different constituencies
Special events to open the muesolaboratorio to differente constituencies
Travel log:
a travel in the local manufacturing companies
Machines, not only cars
A workshop where we can work and learn together.
A workshop where we can work and learn together
L'immagine mostra un ingranaggio e il testo leggibile dice: "Laboratorio Quante Cose Ci Sono Dentro". La domanda riportata è: "How many things are inside?"
How many things are inside?
disassembling
disassembling
Recognizing, analyzing and assembling
A workshop where we can learn together on robots in daily life.
A workshop where we can learn together to overcome the gender gap in technology and society.
A workshop where we can learn together on foundry
A workshop where we can learn together on how machines work
A workshop where we can learn together on how machines work
A workshop where we can learn together on how machines work.
A workshop where we learn together on how tools work
A workshop where we can learn together on how machines work
A workshop where we learn together on how machines work
... and we create our «machines» like this
... and the create our «machines»
or like this
A workshop where we can learn how to create together
A workshop where we can learn how to create together
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