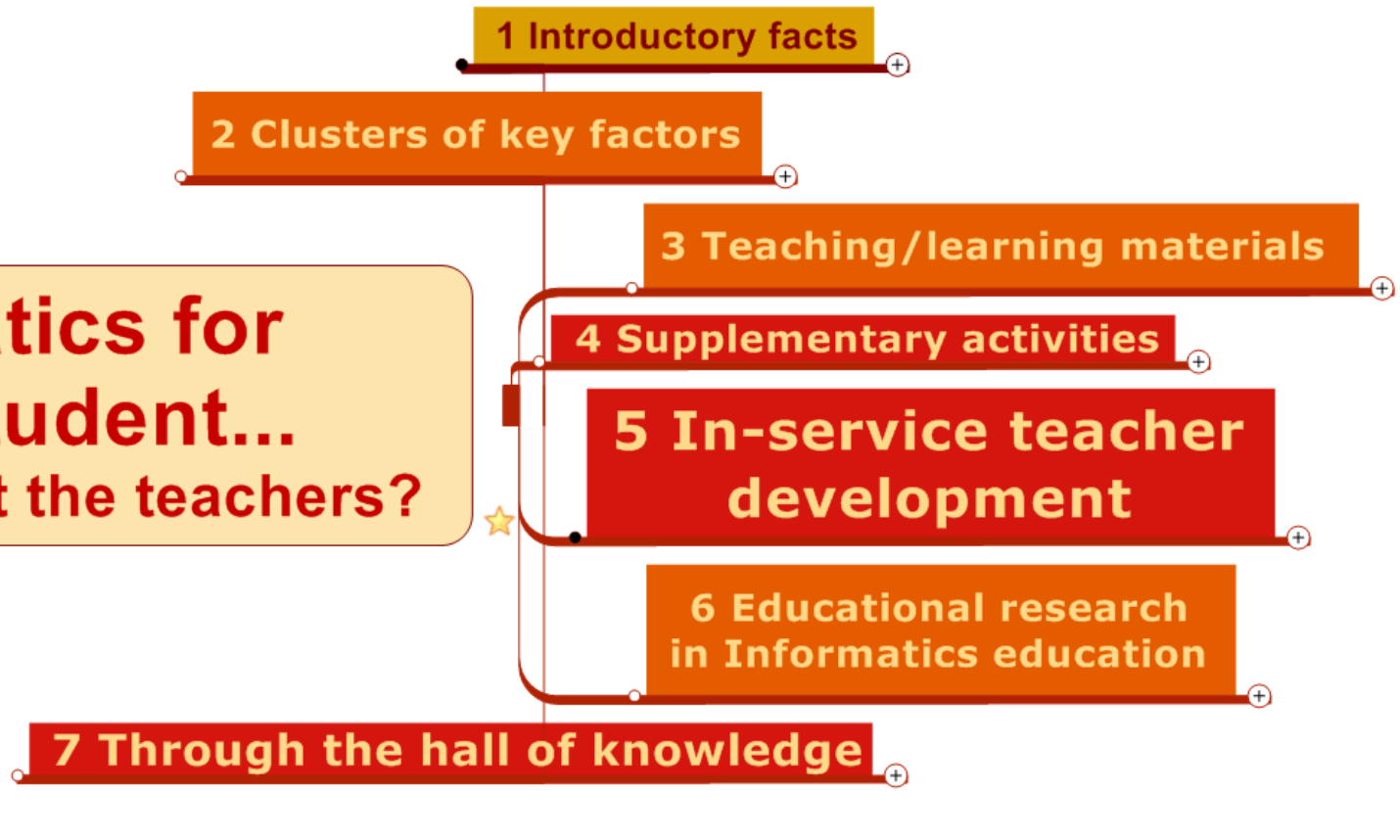


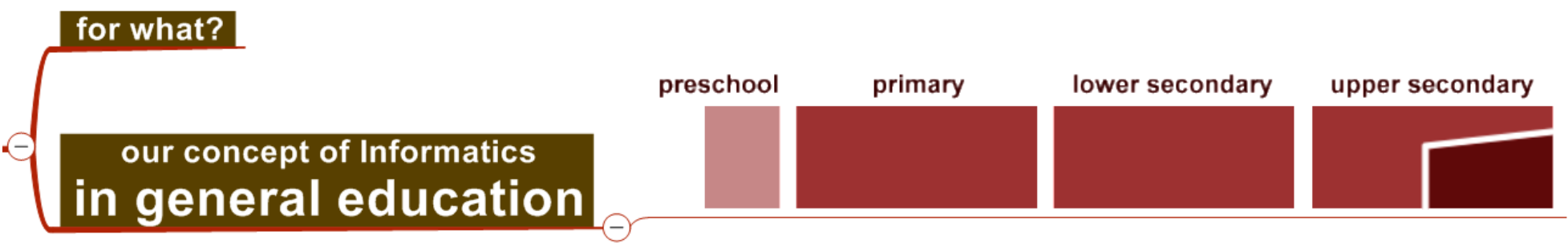
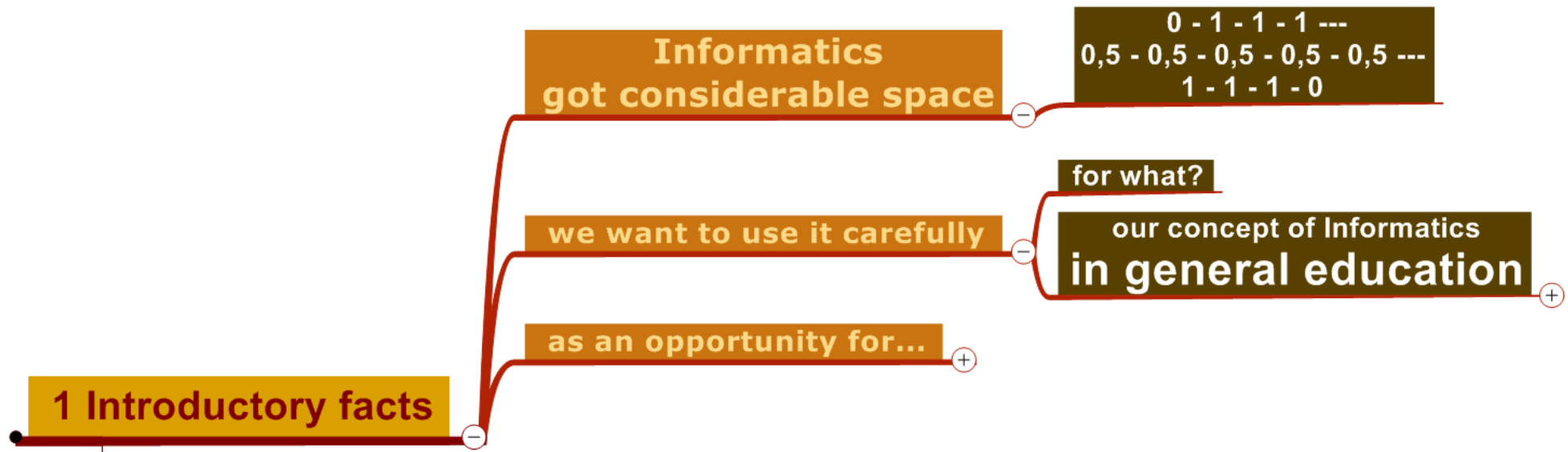
Ivan Kalas, professor, PhD.
Department of Informatics Education
Comenius University
842 48 Bratislava
Slovak Republic

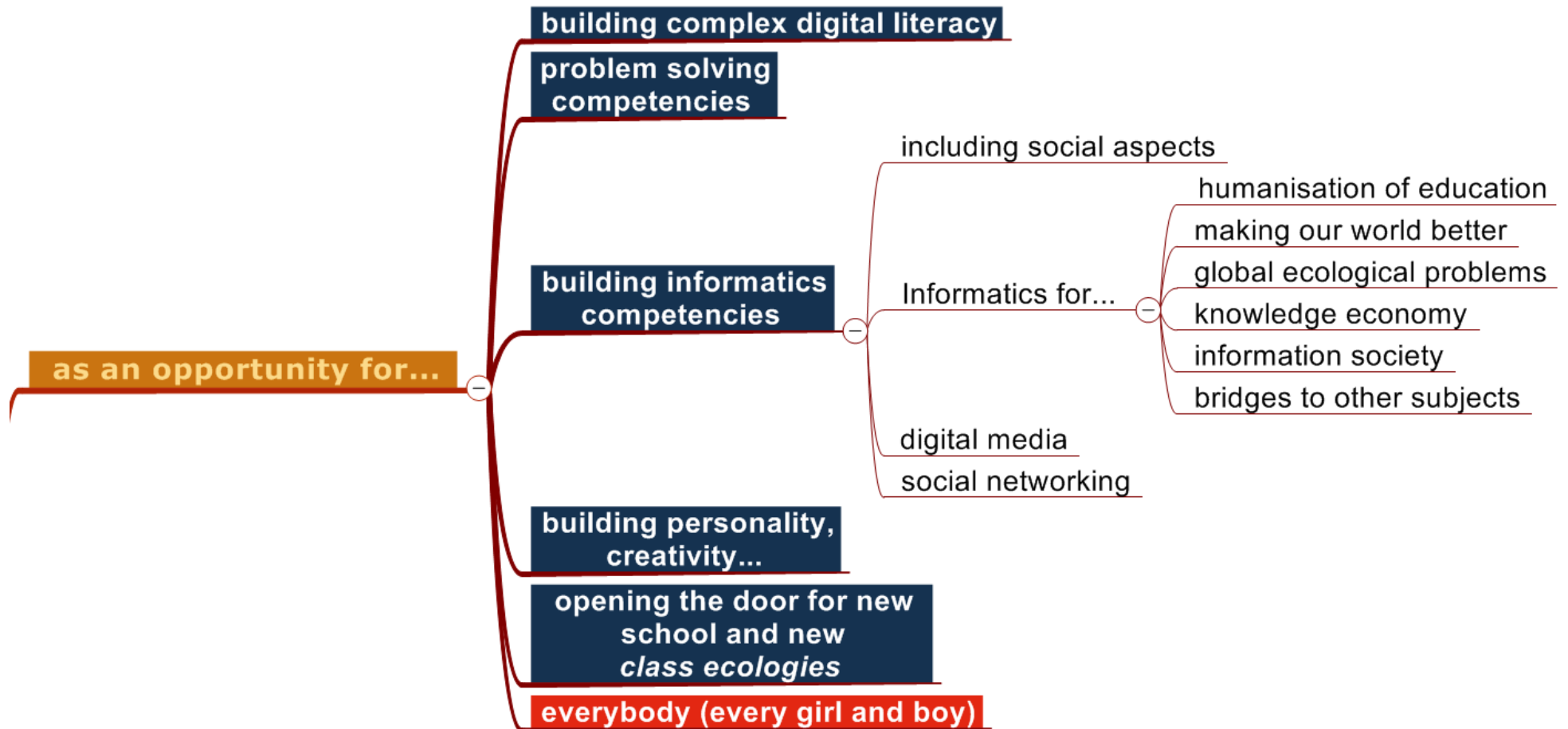
OCG
TU Vienna

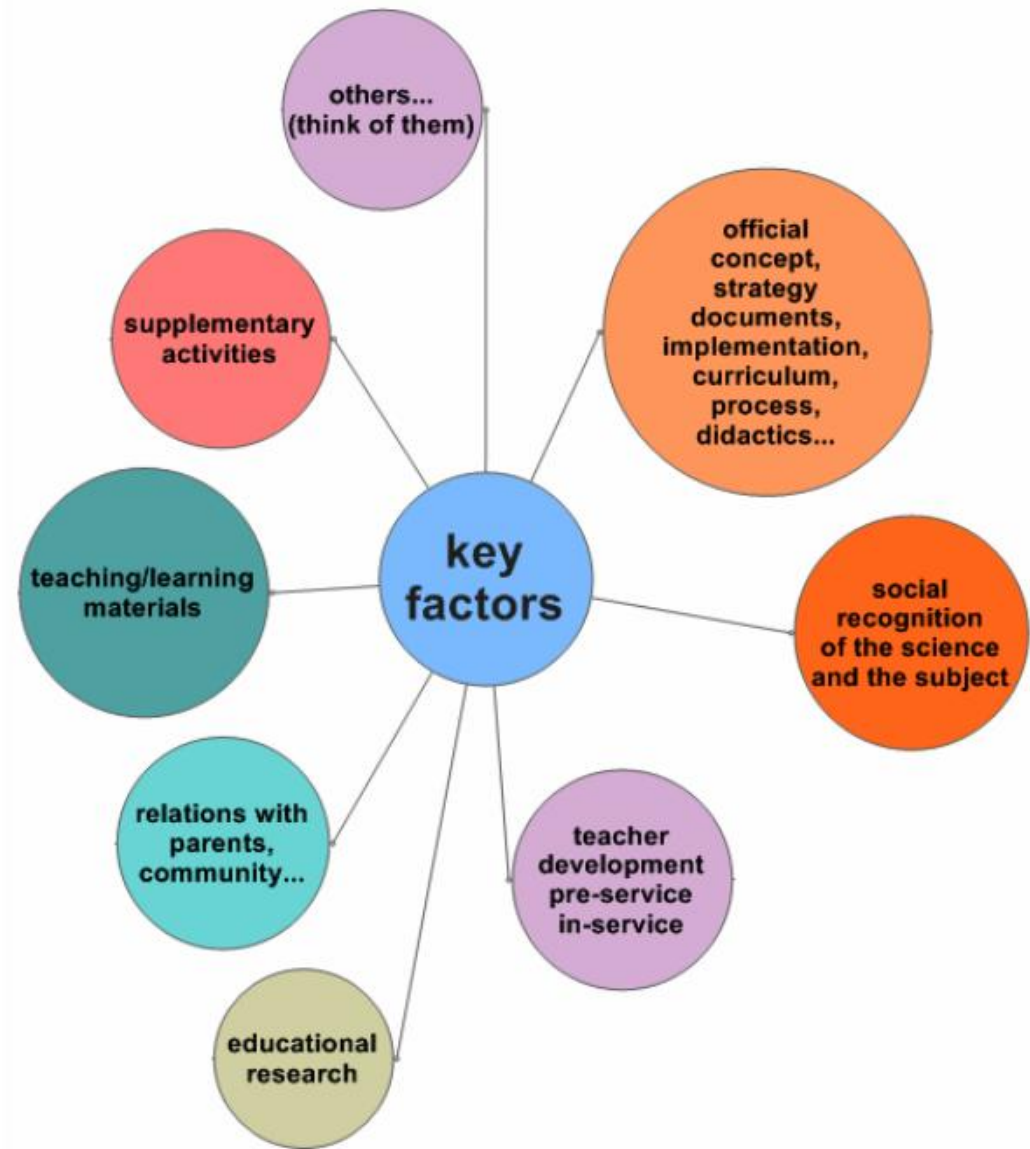
**Informatics for
every student...
and what about the teachers?**

Ivan Kalas
Dept of Informatics Education
Comenius University
Bratislava

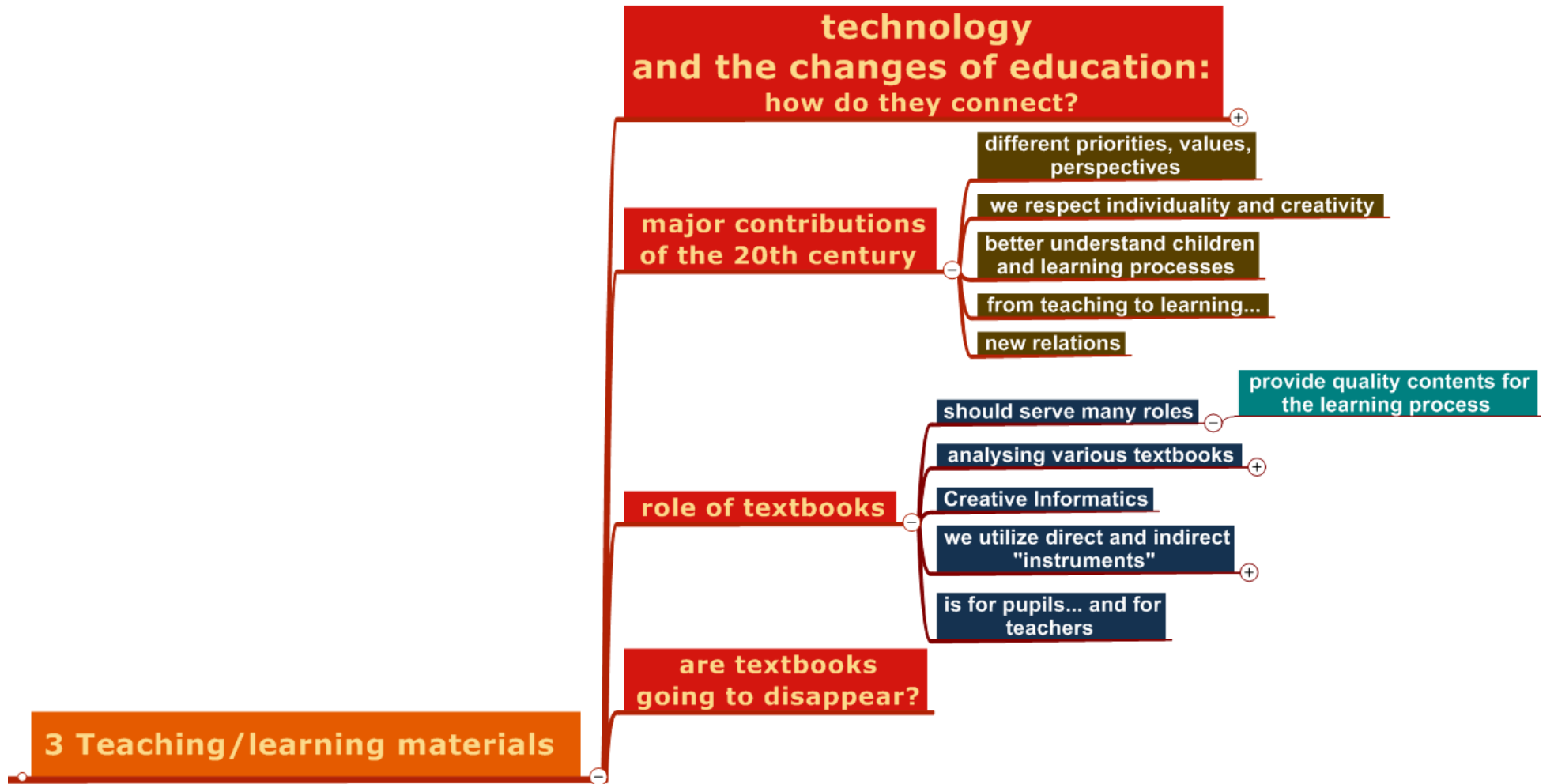








2 Clusters of key factors



4 Supplementary activities

iBeaver

runs in 4 categories
(benjamins, cadets, juniors, seniors)

fully on-line, fully interactive
with immediate assessment of the results

13 942 pupils; 2,81%

keep the contest as the event
for all children and students
sustainable development

maintain the appropriate level of difficulty... (+)

send our vision of modern Informatics to all
teachers, schools, students, parents... (+)

spread the interest among children and students

concentrate on the gender issues in Informatics

near future plans

usually: contents > contest

here: contest > contents

teach teachers how to get the most of iBeaver
for their Informatics classes

continue extensive quantitative
educational research (+)



5 In-service teacher development

dvui.ccv.upjs.sk

target groups

1: primary teachers +

2: non-qualified teachers of Informatics +

3: qualified teachers of Informatics +

structure of these study programs

4 tracks of study

Track 1 +

Track 2 +

Track 3 +

Track 4 +

6 Educational research in Informatics education

motivation

short history
of our research approaches

more about
TEL

quantitative strategy for iBeaver

design-based research

7 Through the hall of knowledge

resources in TEL and in education are not adequate

profit from our "small" size (as countries)

low threshold

high ceiling

wide walls

be critical about...

the contents

the needs of pupils

the means and tools used...

go into what we "don't know"

don't expect help from "outside"

build joy of learning

what is this all about?

keep technology "under control"