

Joint Research Centre (JRC)

Methodological Framework:

Creativity & Innovation

in Education in the European Context



IPTS - Institute for Prospective Technological Studies

Seville - Spain

<http://ipts.jrc.ec.europa.eu/>

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Slides
before 1st
Section
Divider

Content
analysis

Survey

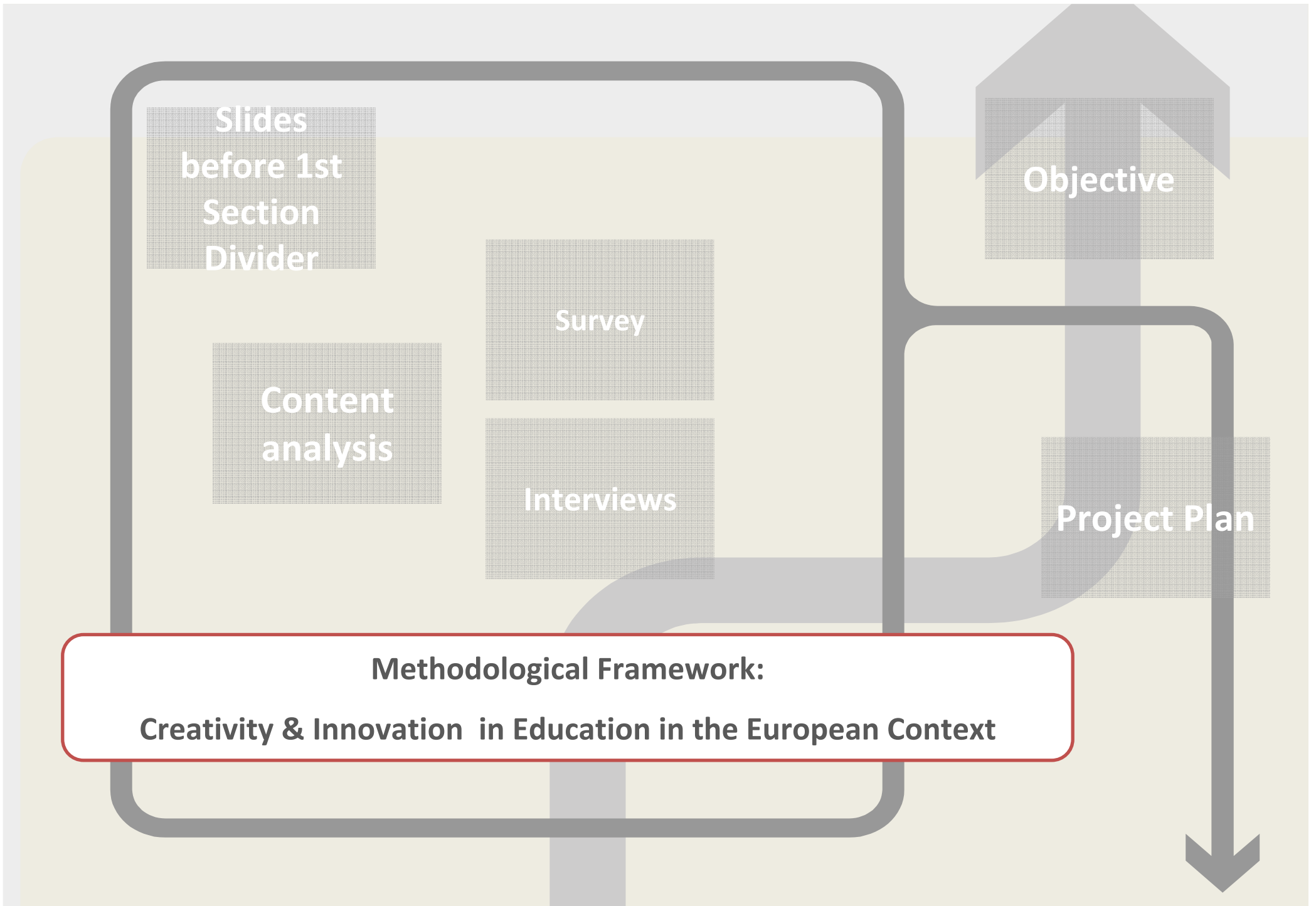
Interviews

Objective

Project Plan

Methodological Framework:

Creativity & Innovation in Education in the European Context



to provide a better understanding of how innovation and creativity are:

- Framed in national and/or regional objectives;
- Enabled in education and training
- Occuring in practices of education and training at primary and secondary level.

**Innovative
Teaching**

**Creative
Learning**



Phase	Objective	Method
Phase 1	To validate methodological framework, focus and operation of the study	Scoping workshop
Phase 2	To assess how <i>creativity</i> and <i>innovation</i> are explicitly mentioned in the national learning objectives of member states	Content analysis
Phase 3	To assess the conditions for creativity and innovation in each country at the school level	Survey
	To assess the conditions for creativity and innovation in each member state according to major stakeholders and to validate results from content analysis.	Interviews
Phase 4	To identify good practices of creativity and innovation in education in Europe	Case Study
Phase 5	To validate results of the study	Validation workshop

Creativity and Innovation in Education

European perspective (27 member states)

Primary and secondary schools

National Learning Objectives

Conditions

Practices

Objective

- To explore how creativity and innovation are explicitly mentioned in the national learning objectives of the member states

Scope

- Document analysis of national /regional educational objectives /curricula

Sample

- Relevant documents for 27 member states

Unit of analysis

- Coding will be conducted according to the explicit mentioning of 'creativity' and 'innovation' and related synonyms.

Selection of documents

- Which documents?
- How many?
- National, regional and at school level

Primary & Secondary (lower & higher) division

- Division of schools vary in different countries
- Documents also vary substantially

Language

- translation of terminology

Objective

- To assess the conditions for creativity and innovation in each member state at the school level

Scope

- Registered members of eTwinning (almost 50, 000) .

Respondents

- Teachers
- Surveys will be conducted online through the eTwinning site.

Unit of analysis

- Conditions fostering creativity and innovation
- Practices of creativity and innovation

Selection of respondents

- People registered on eTwinning
- There are around 50, 000 respondents

Method

- Online survey tend to have very low response
- Strategy needed to increase response rate

Language

- Survey will have to be translated in all languages

Objectives

- To assess the conditions for creativity and innovation in each member stage according to major stakeholders a
- To validate results from content analysis.

Sample

- Maximum five major stakeholders per country will be selected representing: Ministry, inspectors, training institutes & academia.

Format

- Interviews will be done over the phone.

Unit of analysis

- Interview questions will be based on *enablers* and results of content analysis

Respondents

- Selection of respondents
- Respondents from Ministries might feel uncomfortable to talk in the name of the ministry (special permission to speak to official institutions)

Method

- Respondent's feelings of inadequacy or lack of knowledge about a particular topic could result in 'attractive' answer, as opposed the right answer.

Language

- Rely on respondents who speak English
- Conduct interviews in native languages

Thanks for your attention

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