SESSION 3
SUPPORTING STI POLICY ANALYSIS THROUGH EMBEDDED ANALYTICAL AND VISUALISATION TOOLS

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REITER
Visualisation Tools with Embedded Analytical Capabilities

Brief Overview of Planned Activities
Grasping data on policy initiatives through visualisations with embedded analytics

- Objectives within this work package

  - Provide interfaces for search and discovery of the data collected, guiding policy-makers and analysts through knowledge pathways in the database

  - Within these interfaces, provide various forms of interactive charts that allow to interpret data.
    - Facilitate benchmarking (e.g. different country approaches to common challenges)
    - Identify clustering in certain policy practices
Based on a MarkLogic database with a bespoke UI

MARKLOGIC
A Database to Integrate Data Silos, Not Create Them

Easy To Get Data In
Easy To Get Data Out
100% Trusted

Country Dashboard
Panels could be arranged differently

Country Name
Country Description

Themes mapping viz.
Headline indicators from IPP.Stat

Policy instruments mapping viz.
Target groups mapping viz.

Related OECD publications
Related EC publications

Responsible organisations mapping viz.
Overview of dashboards and results pages

Primary Dashboards

Dashboard Entry Page

- Country
- Theme
- Policy Instrument
- Target Group

Interactive Dashboard Panels

- Theme Area mapping viz.
- Policy Instrument mapping viz.
- Target Group mapping viz.
- Responsible Org mapping viz.
- Country mapping viz.
- IPP.Stat viz.
- List of related EC publications
- List of related OECD publications

Ultimate Info Source

- Survey Policy Initiative Fiche
- Indicator in IPP.Stat Dashboard
- Related EC Publication Fiche
- Related OECD Publication Fiche
Dashboards Entry Page

Introduction to EC-OECD STIP Database

Free Search

Explore Themes (through interactive viz.)

Search by Country (through interactive map viz.)

Explore Policy Instruments (through interactive viz.)

Explore Target Groups (through interactive viz.)
Panels could be arranged differently

Country Name

Country Description

Themes mapping viz.

Headline indicators from IPP.Stat

Policy instruments mapping viz.

Target groups mapping viz.

Related OECD publications

Related EC publications

Responsible organisations mapping viz.
<table>
<thead>
<tr>
<th>Dashboard \ Panel</th>
<th>Theme area mapping</th>
<th>Policy instrument mapping</th>
<th>Target group mapping</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Country</strong></td>
<td></td>
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<tr>
<td>- RANKING A: In what theme areas does the country have most initiatives?</td>
<td>- RANKING A: What instruments are more prevalent in the country?</td>
<td>- RANKING A: What target groups are associated with the highest budgets within the country?</td>
<td>- How are the organisation's initiatives related to each other?</td>
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<tr>
<td>- RANKING B: In what theme areas does the country assign the highest budgets?</td>
<td>- RANKING B: What instruments have the highest budgets in the country?</td>
<td>- RANKING B: How are the organisation's initiatives related to each other?</td>
<td>- What themes have the highest amount/budget of policy initiatives?</td>
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<tr>
<td>- BENCHMARK: How do Rankings A and B compare to other countries?</td>
<td>- BENCHMARKING A: How does RANKING A and B compare to other countries?</td>
<td>- BENCHMARKING B: How does the country's policy initiatives fit within a target group?</td>
<td>- What policy instruments are more prevalent within the theme?</td>
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<tr>
<td>- How closely related are themes within the country?</td>
<td>- BENCHMARKING A: How does RANKING A and B compare to other countries?</td>
<td>- BENCHMARKING B: How does the country's policy initiatives fit within a target group?</td>
<td>- Is there clustering of certain policy instrument facets within the theme?</td>
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<tr>
<td>- How has interest in themes evolved over time?</td>
<td>- BENCHMARKING A: How does RANKING A and B compare to other countries?</td>
<td>- BENCHMARKING B: How does the country's policy initiatives fit within a target group?</td>
<td>- What is the average and distribution of</td>
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</tbody>
</table>
Examples of interactive visualisations for the dashboards (1/2)
Examples of interactive visualisations for the dashboards (2/2)