CIRAZ
Key factor in Smart Specialization Strategy implementation

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Vice president | Croatian Chamber of Economy
Did you know?

Nikola Tesla
Man who invented the 20th century
1856 – 1943

mp3 Engine
Croatian inventor
Tomislav Uzelac
invented 1997

Ball-point pen
Croatian inventor
Eduard Slavoljub Penkala
1871 – 1922

SMS Parking
Croatian invention
invented 2001

Fingerprinting
Croatian inventor
Ivan Vučetić
1858 – 1925

Parachute
Croatian inventor
Faust Vrančić
1551 – 1617
New opportunities of the smart specialization process

- To identify our strengths but also key areas for improvement and investments
- To review and update our national policy towards a knowledge-based economy for the economic transformation of the region
- To strengthen the private-public technology and knowledge transfer channels

- Smart Specialization Strategy (S3)

- 5 thematic priority areas and 13 subthematic priority areas:
  - Health and quality of life
  - Energy and sustainable environment
  - Food and bio-economy
  - Transport and mobility
  - Defense

- Implementation of the S3
### Where are we now

<table>
<thead>
<tr>
<th>DOING BUSINESS</th>
<th>INNOVATION</th>
<th>PATENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>y. 2016</td>
<td>Global innovation index - 2016</td>
<td>Number of patents</td>
</tr>
<tr>
<td>40/189</td>
<td>RANK 47 (out of 128)</td>
<td>y. 1992</td>
</tr>
<tr>
<td></td>
<td>ECON Complexity = 0,75 (35th of 185)</td>
<td>y. 2014</td>
</tr>
<tr>
<td>GLOBAL</td>
<td>R&amp;D expenditure (% from GDP)</td>
<td>479</td>
</tr>
<tr>
<td>COMPETITIVENESS</td>
<td>y. 2013</td>
<td>170</td>
</tr>
<tr>
<td>INDEX</td>
<td>0,81% of GDP, EU average 2,02% of GDP</td>
<td></td>
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<tr>
<td>y. 2016</td>
<td>77/140</td>
<td></td>
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</tbody>
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Identified needs
What do we need to succeed?

- Economic growth model
- Coordinated approach to sustainable socio-economic development
- Implementation entity/institution
Key element/factor of S3 implementation

**CIRAZ – Center for Industrial Development** established by the Croatian Chamber of Economy (CCE)

**Mission:**
To support strengthening of the national industrial development and innovation system as well as active participation in the implementation of Industrial, Innovation, and Smart Specialization Strategies

**Vision:**
To become a key factor of the Croatian institutional framework for the implementation of Industrial, Innovation, and Smart Specialization Strategies
Sources of funding (EU and CCE)

- All started with Industrial strategy which was based on the same concept as S3
- For implementation of Industrial strategy - national sources of funding
- For implementation of S3 – national and EU sources of funding
- 85% from Regional Development Fund and 15% from CCE
- CCE (through CIRAZ) turn out to be the most appropriate institution that has capacity and capability for supporting the implementation of national strategies
CIRAZ’s goals

- Support the industrial development of Croatia and **strengthening competitiveness** of the Croatian economy
- Support the strengthening of the position of Croatia in **Global Value Chains**
- Support the **knowledge strengthening and skills of the business sector** needed to achieve the objectives of industrial development
- Support the **internationalization** of the Croatian economy
- Support the promotion and **branding** of the Croatian economy
- **Support** the establishment of an efficient **National Innovation System** and strengthening the **Innovation Value Chain in Croatia**
CIRAZ - EXPECTED RESULTS I.

- Established system for evaluation and monitoring of evaluation programs and supports
- Established innovation WEB platform
- Recommendations for improving innovation system, program and innovation policies measures
- Business sector RDI strategies for identified S3 areas
- Provided professional and technical support to the preparation of technical documentation for project ideas that includes: (1) the preparation and review of feasibility studies including cost-benefit analysis, (2) the preparation of the technical part of the project, and (3) preparation of the relevant tender documents
- Education of business sector about procedures indicated to public tenders, methodologies for successful preparation and project implementation
CIRAZ - EXPECTED RESULTS II.

- Developed 13 GVC's and defined strategic segments in order to upgrade the industry
- Identified specific niches and related markets to attract foreign direct investments within 13 S3 sub-thematic areas
- Developed Export strategy for defined strategic segments and emerging industries within the S3 sub-thematic areas
- Established framework for monitoring the implementation of cluster initiatives and evaluation of their impact on the structural changes of the Croatian economy
- Established Academy for industrial development and competitiveness summer school; trained and certified local trainers
Conclusion

✓ Basic precondition for economic development is a strong cooperation between academic community, economy and government

✓ The main reason for founding CIRAZ is to create and support the implementation of industrial and related policies, innovative and related policies, and assistance in the implementation of Innovation strategy and Smart Specialization Strategy (S3)

✓ CIRAZ serves as a support to strengthening national competitiveness through the support to the strengthening of the national innovation system and continuous education related to industrial development
Croatian Chamber of Economy

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