Integral Economics and Slovenia: Visions and Strategies

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2012 - 2013: Integral Approach in Slovenia’s Industrial Policy & Slovenia’s Development Strategy (Draft) for 2014 – 2020!

Social Responsibility (moral core)
Green Economy
Social Entrepreneurship

Low-Carbon Society = society (or economy),
- of which the greenhouse gas emissions are lower than the absorption capacity of the global ecosystem,
- and at the same time based on the principles of sustainable development.
The vision of Slovenia as a low carbon society in 2050 is a highly integrated and inclusive society with an excellent business sector and a high quality of life, space and natural environment.

SWOT
- A small, open, export-oriented economy with a relatively good educational structure and preserved natural environment represents a relatively favourable starting position for the transition to a low carbon society.
Slovenia 2050: 67%  2060: 80%

Reducing emissions through green growth
- Green Growth
- Green Taxes
- Public Expenditure
- Green Tax Reform

Adaptation
- Improving predictions and assessment of vulnerability
- Integration of adaptation objectives into sectoral policies
- Funding

Horizontal strategies
- Innovation and Education
- Local and Regional Initiative
- Awareness and Communication
- Active Role in International Community
### Thematic area

<table>
<thead>
<tr>
<th>Thematic area</th>
<th>Emission reduction</th>
<th>Adaptation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Transport</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Low carbon technologies</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Buildings</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Industry</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Services</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Agriculture</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Solid waste</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Spatial planning</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Forests, sinks, biodiversity</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Waters</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Health</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Natural disasters</td>
<td>✓</td>
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</tbody>
</table>

### OPPORTUNITIES FOR GREEN ECONOMY – INTEGRATED POLICY AREAS

- **Energy efficiency** including intellectual services, equipment, building insulation and energy efficient buildings.
- **Renewable energy** including production and installation of equipment (hydro and solar power, biomass, geothermal), their management and maintenance.
- **Construction** including renovation and energy restoration of buildings, renovation and construction of railways, rehabilitation of road network with the objectives of energy efficiency and the promotion of public transport.
- **Metal processing, electronic and electric industry** with low-carbon products ranging from components for electric vehicles to smart energy grids - sectoral green growth strategy by 2020 already developed.
- **Agriculture and forestry** establishing supply networks in sustainable food and energy wood.
- **Related health-spa, recreation, catering and tourism** that build on natural and cultural heritage of Slovenia.
- **Local communities** providing local services (including kindergartens, schools, care for the elderly ...) that reduce the demand for transport.
2. The integral character of the Draft Low-Carbon Strategy
- Slovenia is in 2050 distinguished by a high educational level of population, i.e. possesses high intellectual capital.
- Development breakthrough was achieved by 2050 through innovation and investment in sustainable technological and non-technological solutions.

FINANCE & ENTERPRISE:

- In Slovenia, there are a number of sectors that are already part of or have the potential for green growth; in the following decades the policy of greening of all sectors is strongly promoted.
- Slovenia is in 2050 attractive for investment and living and is a lead developer of selected low carbon technologies.

- Slovenia is in 2050 a welfare society and the land of equal opportunities with high social cohesion, individuals and organizations are connected with the social environment.

- Healthy and biologically diverse ecosystems are adapted to climate change through natural processes and sustainable management. Preserved nature, including water quantity and quality, sustainable forests and biodiversity, provides ecosystem services.

- Building on Slovenia’s cultural heritage and the rich diversity of cultural influences.
- Supply networks in sustainable food and energy wood; related health-spa, recreation, catering and tourism build on natural and cultural heritage of Slovenia.
- Improved educational structure allows strengthening of civil society with strong social capital.
- Slovenia is actively participating in international efforts for sustainable development both through helping other countries but also by accepting “climate refugees”.

Science & Technology

Economics & Politics

Culture & Spirituality

Nature & Community

MORAL CORE

Integral character of the Draft Low Carbon Strategy
Strengths - Opportunities
Vision
**MORAL CORE**

* Acceptance in principle of the values of sustainable development, high population awareness on climate change and the degree of motivation to act for the common good.

* Slovenia is in 2050 a society with a developed value system and conscious/enlightened holistic individuals and organizations.

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**Nature & Community**
- Slovenia is in 2050 distinguished by a high educational level of population, i.e. possesses high intellect. capital.
A relevant knowledge creation climate, supporting through science & technology the climate vision of society and beyond.

The engagement and unleashing of Slovenia’s own moral (economic) core thereby touching on our innermost belief systems.

An open cultural and spiritually infused climate of dialogue and co-creation.

A new living economy with a conducive and sustainable business climate.

A new environmental and social climate.
Slovenia’s Development Strategy 2014 – 2020 (draft): Identified Priorities

Knowledge

Entrepreneurship

Green

Inclusive Society

a. Effective state, the rule of law
b. Operational financial system
c. Consolidation of public finance and recovery of rating in the international community
d. Ethics and active, responsible citizens and the state
Slovenian Industrial Policy – SIP for 2014 – 2020
Adopted by: The Government of the Republic of Slovenia in February 2013
The responsible body: Ministry of Economic Development and Technology

**SLOVENIAN INDUSTRIAL POLICY GUIDELINES FOR ECONOMIC DEVELOPMENT:**

- **IBE: IMPROVING THE BUSINESS ENVIRONMENT (3.1.) (38 guidelines - G):**
  - Functioning of the rule of law
  - Friendlier administrative environment
  - A more flexible labour market and education adapted to the economy
  - An encouraging tax environment
  - **Environmental, energy and spatial policy**
  - Comprehensive business innovation support environment
  - Improving access to affordable sources of finance
  - Creating an environment which encourages creativity, entrepreneurship and innovation (CEI)
  - Effective management of companies, especially state-owned enterprises
  - Encouraging corporate social responsibility.

- **EI: STRENGTHENING ENTREPRENEURSHIP AND INNOVATION - FOCUSING SUPPORT ON NEW, INNOVATIVE AND GROWING COMPANIES (3.2) (8 G)**

- **PITA: RESPONSE TO SOCIAL CHALLENGES - ORIENTATION OF SUPPORT TO PROMISING INDUSTRIAL AND TECHNOLOGY AREAS (3.3) (3 G):**
  - PTI: Priority technology areas
  - KIS: Key industrial sectors

- **LDI: ACTIVITIES FOR THE LONG-TERM DEVELOPMENT OF INDUSTRY (3.4) (7 G)**
IBE/10: ENCOURAGING CORPORATE SOCIAL RESPONSIBILITY

- Formation of priority areas and measures
- Formation and exchange of good practices
- Considering social responsibility in the allocation of resources

MORAL CORE

IBE/5: Environmental, energy and spatial policy

IBE/7: Promoting entrepreneurship for young people, women, social entrepreneurs and micro-entrepreneurs.

IBE/8: Comprehensive promotion of creativity.

LDI: Promoting tourism in accordance with the Slovenian Tourism Development Strategy

PITA: Response to social challenges - orientation of support to promising industrial and technology areas

Economics & Politics

Science & Technology

Nature & Community

Culture & Spirituality

Integral elements of the Slovenian Industrial Policy – SIP for 2014 - 2020

EI: Strengthening entrepreneurship and innovation - focusing support on new, innovative and growing companies.
<table>
<thead>
<tr>
<th>Challenge</th>
<th>Priority technology areas*</th>
<th>Key industrial sectors*</th>
</tr>
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<tbody>
<tr>
<td>Environmental-energy challenge and efficient use of natural resources,</td>
<td>Environmental technologies (technologies for the efficient use of energy, including the</td>
<td>Energetics / ‘Smart’ systems&lt;br&gt; Sustainable construction&lt;br&gt; Manufacturing (especially</td>
</tr>
<tr>
<td>based on sustainable production and consumption</td>
<td>economical use of energy, renewable energy technologies, technologies for increasing</td>
<td>wood-processing, metal and electrical industry and electronics)&lt;br&gt; Chemical and</td>
</tr>
<tr>
<td></td>
<td>material efficiency etc.)</td>
<td>process industry</td>
</tr>
<tr>
<td>Sustainable mobility</td>
<td>Technologies for sustainable mobility</td>
<td>Automotive industry</td>
</tr>
<tr>
<td>Food, health and ageing population</td>
<td>Biotechnology and other challenge-related technologies</td>
<td>Pharmaceutical industry&lt;br&gt; Food-processing industry and sustainable food production&lt;br&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sustainable tourism</td>
</tr>
<tr>
<td>Potential KET - Key Enabling Technologies</td>
<td>Nanotechnology, micro- and nano-electronics, photonics, biotechnology, advanced</td>
<td>ICT&lt;br&gt; Electrical industry and electronics&lt;br&gt; New materials&lt;br&gt; Metal-processing</td>
</tr>
<tr>
<td></td>
<td>advanced materials, advanced manufacturing and process technologies</td>
<td>industry, engineering and tool-making</td>
</tr>
</tbody>
</table>
4. and Good Practices ...
LOCAL & REGIONAL DEVELOPMENT

ECONOMIC GROWTH: provides social, cultural and environmental sustainability:

- the process of **planning** local and regional development (Sustainable Tourism!)
- inclusion in national, international and EU programs
- build on and by integrating cultural and natural heritage

- Over 80% of Solčavsko include protected areas (two regional parks, Natura 2000)
- Center Rinka - a multi-purpose center for sustainable development of Solčavsko (works since 2011, awards for architecture, perfectly accepted between locals and visitors)
SOLČAVSKO – THREE VALLEYS IN UNISON

Promoting production chains:

• **TIMBER** - from tree to furniture (Solčava mountain wood)

• **WOOL** - from sheep to clothing (Jezersko-Solčava sheep)

• **CUISINE** - from nature on plate

• **SOLČAVA MARBLE** – from stone to vase

Good participatory planning and action at the local level enables the integration of multiple sectoral targets and provides multi-functional results (synergies, multifunctionality).

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SOCIAL RESPONSIBILITY (moral core)
GREEN ECONOMY
SOCIAL ENTREPRENEURSHIP
NATURE & COMMUNITY
ECONOMICS & POLITICS
CULTURE & SPIRITUALITY
SCIENCE & TECHNOLOGY
KOWING
BEING
DOING
BECOMING
MORAL CORE
SOUTH
HUMANISM
RATIONALISM
NORTH
PRAGMATISM
WEST
ECONOMICS
INTEGRAL WORLD
INTEGRAL ECONOMICS
INTEGRAL APPROACH