Managing Knowledge for Innovative Development

V. Pershukov
Deputy Director General
Chief Innovation Officer
ROSATOM

Vienna, IAEA
May 2014
Nuclear for Development
Rosatom Makes Solid Contribution

<table>
<thead>
<tr>
<th>Mission</th>
<th>Why</th>
<th>What</th>
<th>How</th>
<th>Results</th>
<th>Success Factors</th>
<th>Looking Forward</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>22 units</td>
<td>17 countries</td>
<td>$100 BN</td>
<td>40% Uranium enrichment</td>
<td>17% Fuel fabrication</td>
</tr>
</tbody>
</table>
Nuclear Knowledge Generates Value

Technology development

Nuclear knowledge

Traditional knowledge

Mission | Why | What | How | Results | Success Factors | Looking Forward
Integrated Knowledge Solution

Mission | Why | What | How | Results | Success Factors | Looking Forward

![Image of integrated knowledge solution concepts]

- [Image of stacked documents]
- [Image of hands holding books]
- [Image of a man with glasses]
- [Image of a computer and 'No Plagiarism' sign]
- [Image of two young boys with laboratory equipment]
Integrated Knowledge Solution
From Idea to End Product – Rosatom Approach

Creation
- Management of expert communities
- Management of KM content
- Management of IP rights

Identification and protection of IP rights

Commercialization Utilization

Formalization
KM Integrated into Business Processes

Rosatom Business Model

GROUPS OF KM PROCESSES
- Management of expert communities
- Management of scientific and technical content
- Management of IP rights

MISSION

STRATEGIC GOALS

STRATEGIC INITIATIVES
Manage People to Generate Knowledge

Expert communities
- 2011: 5
- 2014: 2500
- 2020: 15000

Critical knowledge preservation
- 2011: 9 for 9 areas
- 2014: 280 for 300 areas
- 2020: 10% increase
Organize and Protect Knowledge

2011 | 2014 | 2020
---|---|---
**KM portal**
- < 10%
- < 10%
- 40%
- 40%
- 100%
- 100%

**IP portfolios**
- < 5%
- < 5%
- 10%
- 20%
- annually
- annually

Mission | Why | What | How | Results | Success Factors | Looking Forward
Focus on Generating Tangible Results

1. Get top-management support
2. Integrate NKMS into business processes
3. Create and develop NKM team
4. Involve staff of various departments
5. Build IT infrastructure
Use Knowledge to Collaborate on Innovations

1. Share and implement modern KM approaches
2. Build network of KM leaders using IAEA as a platform
3. Integrate KM methodology into IAEA methodologies

Mission | Why | What | How | Results | Success Factors | Looking Forward
THANK YOU!