

Research Laboratory for Science and Technology Studies (LST)

Mission and Research Strategy

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LST – Who we are

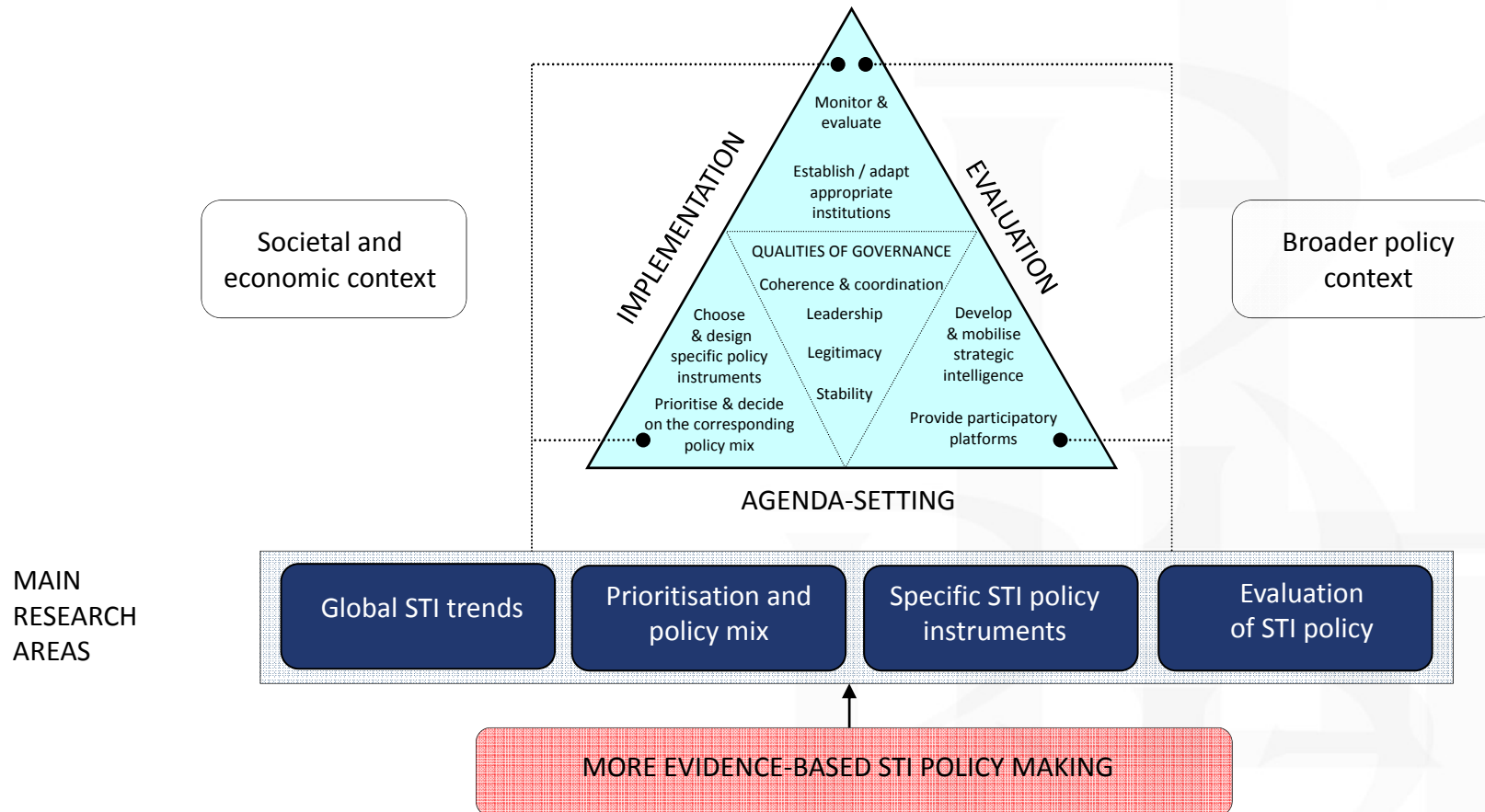
- The Laboratory for S&T Studies was founded in November 2010 at the Institute for Statistical Studies and Economics of Knowledge (ISSEK). It started full operation in April 2011
- Heads of the Laboratory
 - ✓ Jean Guinet (former senior management staff & leading expert on innovation policy at OECD)
 - ✓ Alexander Sokolov (deputy head of ISSEK, HSE, head of ISSEK Foresight centre)
 - ✓ Oleg Karasev (deputy head of ISSEK Foresight centre)
- 13 full time staff (including PhD students)
- Main field of activity: development of integrated methods and instruments for research of trends and long-term S&T priorities, and the elaboration of effective S&T policy instruments
- International partners: OECD, University of Manchester, University of Quebec, others under negotiation



LST – Mission

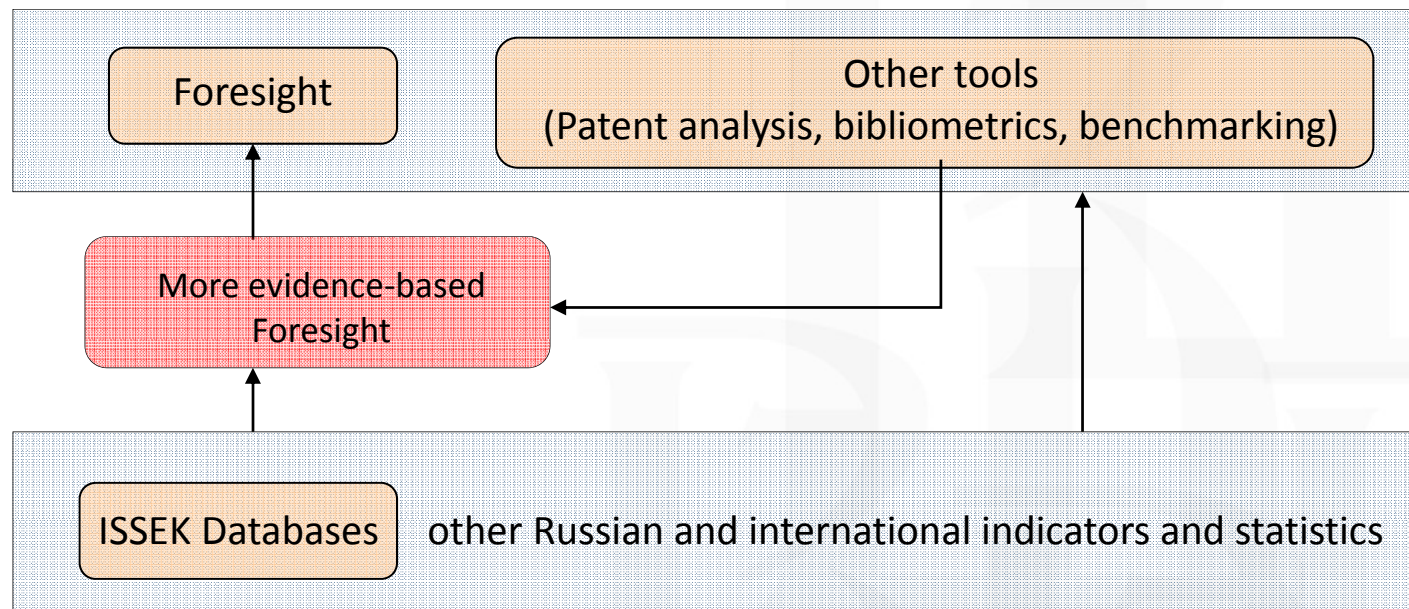
- Contribute significantly to the academic work and discussions on science, technology and innovation (STI) policy
 - ✓ with a focus on the development of conceptual frameworks, methodologies and metrics that can help make STI policy more evidence-based
- Develop tailor made solutions for stakeholders in the STI policy process, in Russia and abroad, based on the state of the art knowledge developed through scientific work
- Contribute to education through teaching and the involvement of students in LST research

More evidence-based STI policy making



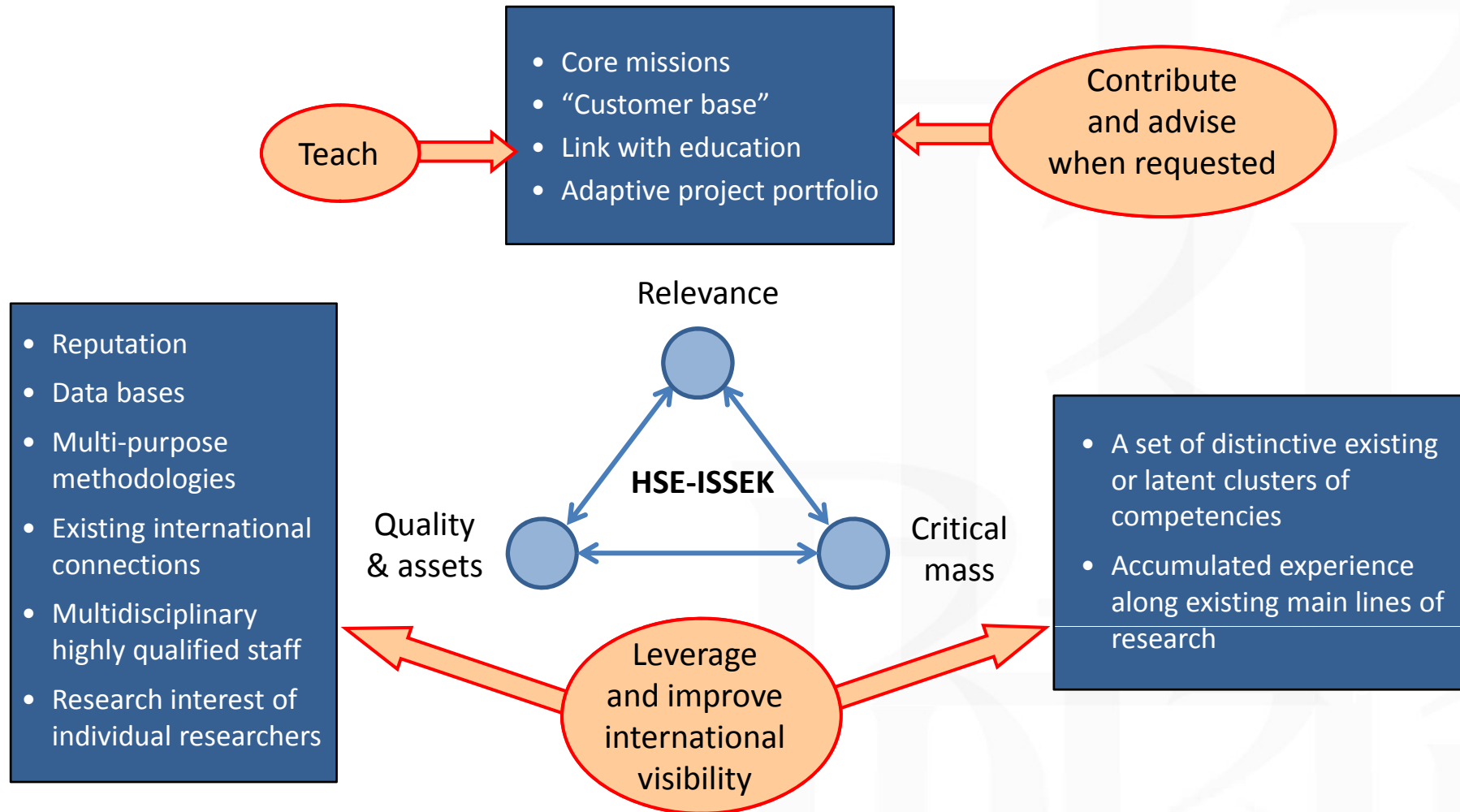
Main tools: improved metrics and methods

METHODOLOGICAL
AND ANALYTICAL
TOOLS



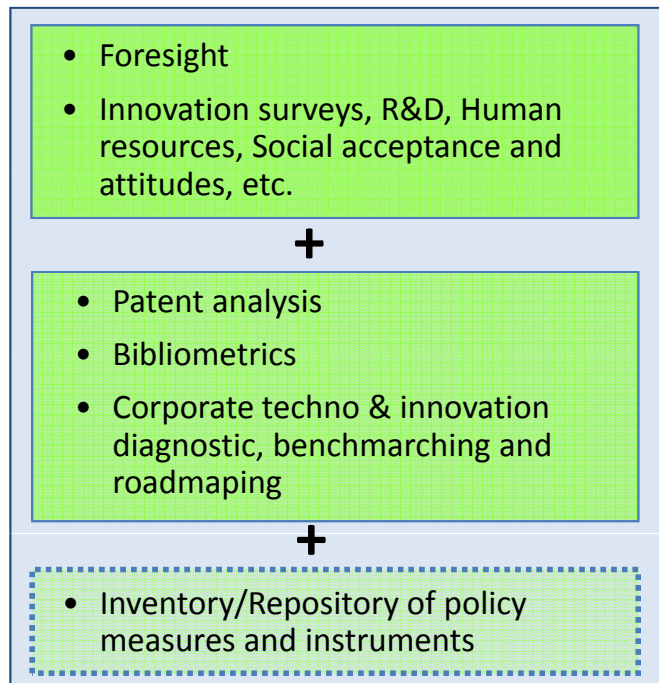
DATA

LST – Bounding and enabling context

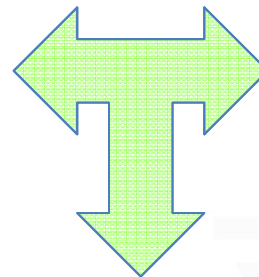


Contribution to ISSEK-HSE overall research strategy

Data Bases / Methodologies



Main missions



Contribution to policy reports



Outputs

Guiding principles

- Open-minded but focused in terms of deliverables
- Synergetic but selective to avoid proliferation of projects
- Evidence-based analyses, using both quantitative and qualitative information
- Lead user of own data
- Both deepening and gradual widening of current competitive advantages
- Formulating and communicating results according to best international practices

International linkages: three main channels

Leverage international knowledge

- LST-ISSEK Watch
- Participation in international conferences / workshops
- Short stays abroad of LST researchers

Contribute to international work

- Contribution to international projects
- Organisation of international workshops
- Publication of workshop books for an international audience
- Integration into key international networks

- Co-publications with leading foreign scholars
- Invitation of leading foreign scholars for short stays
- Research partnerships with foreign organisations / experts on LST projects

Major International
Workshop on Foresight
and STI policy
in October 2011

Complement in-house expertise in specific fields

Fitting within the global research agenda: three fronts

Conceptual and analytical work

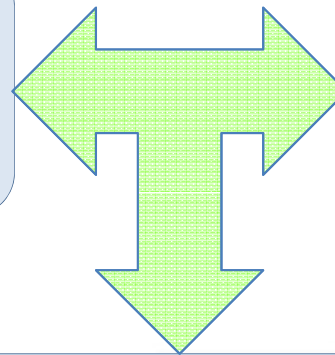
The “academic agenda”

Phenomenon to be better
monitored and understood

Policy advice and assessment

The “policy agenda”

Priority policy issues
to be addressed



Improved
and new metrics

The “science of science policy” agenda

Statistics and indicators

✓ Incremental improvement

✓ Radical improvements
“Blue Sky”

- Research on innovation in the broad sense is currently fragmented. There is need for a general framework of analysis and greater coordination of research efforts. The goal is to understand the entire story of innovation, from inputs to economic and social impacts
- Indicators and related econometric research must move forward from innovation inputs and activities to include the outputs and impacts of innovation
- New methods of analysis are necessary to understand innovation processes, which will require improved data access, data linkages and the adoption of interdisciplinary approaches to data
- A marked improvement in the policy relevance of innovation research is required in order to create a **science of science policy**

TEACHING

- Course and associated seminars
 - In 2011, in the Faculty of Public Administration, the Faculty of Politics, and the Faculty of World Economy and International Affairs
- LST supports academic work of ISSEK staff preparing a PhD

TRAINING THROUGH RESEARCH

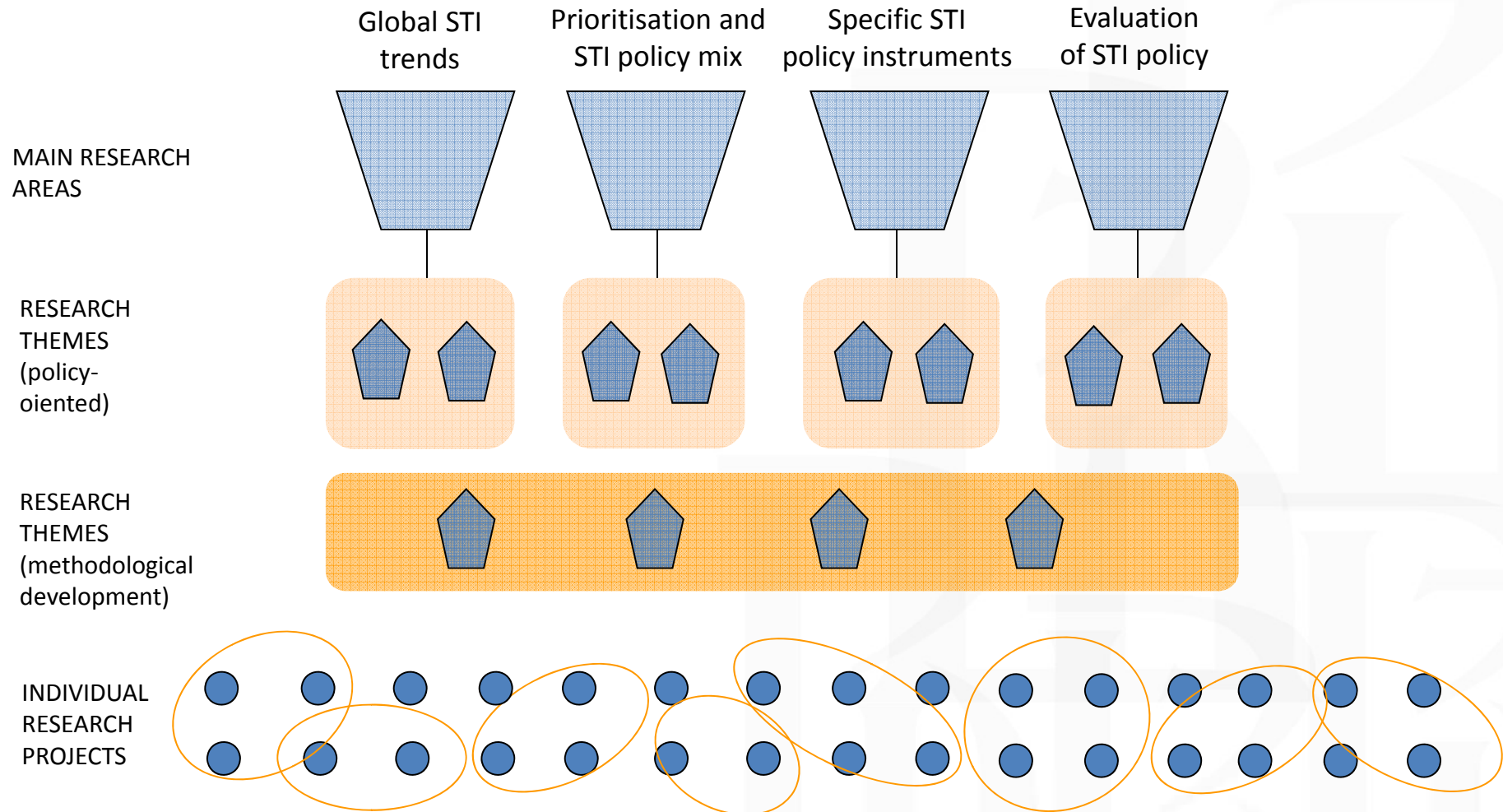
- LST will host PhD and Master students



PROFESSIONAL TRAINING

- Managers in enterprises
- University professors and researchers

Research areas, themes and projects



Examples of research themes

Prioritisation and Policy mix

- Prioritisation in public R&D spending
- Demand-side policy
- New approaches to sectoral targeting

Specific policy instruments

- Financial support, including through Public-Private Partnerships
- Public procurement and other demand stimulants

Foresight

- Evaluation of foresight studies
- Foresight of natural resources
- Foresight for technology platforms

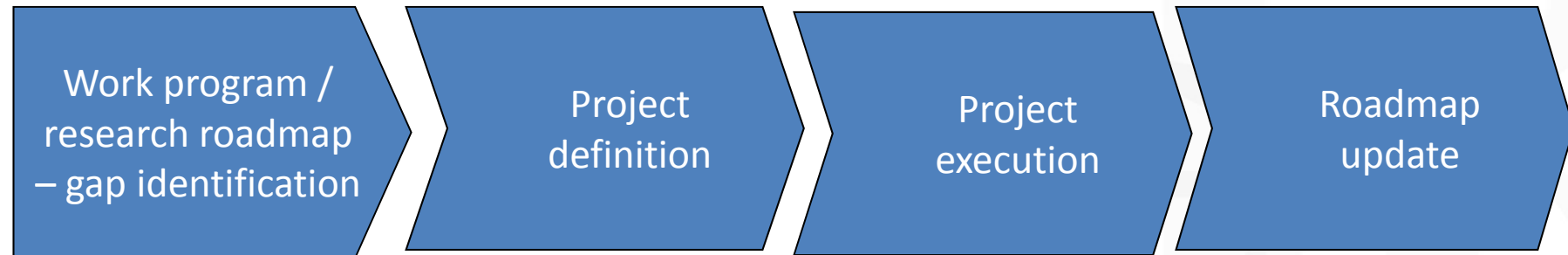
Measurement of knowledge production and diffusion

- Patenting patterns
- Mapping international knowledge networks with bibliometrics



Research organisation and management

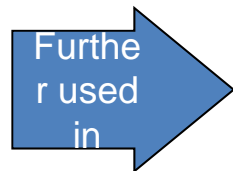
- Research management philosophy and practice
 - ✓ Enhance creativity but keep focused
- Ensure productivity and relevance but also continuous learning
 - ✓ Seminar academic writing
 - ✓ Internal review procedure
 - ✓ Research seminar
 - ✓ Handbook academic writing
- Research project management monitoring tool
 - ✓ shared supervision
- Creativity is enhanced by both cooperation and competition
 - ✓ Rewards for contribution
 - ✓ Incentives for team work
 - ✓ Individual recognition
 - ✓ Individual benefit from the labs reputation



- Project title
 - Research field related
 - Supervisor
 - Research team
 - Timing
 - Output intended
- Project management
 - Research seminar
 - Internal review procedure
 - Publication

Articles referred journals

- Top priority
- High quality standard
- Serves as discussion ground / quality assurance through scientific community



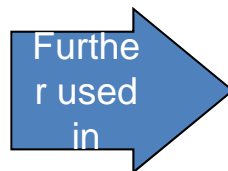
Book

- Based on articles prepared
- Strong methodological focus



Guidelines / manuals / checklists for policy making

- Drawn from research done for articles / book(s)
- Analysis of essential factors to consider for policy making
 - ✓ Key success factors
 - ✓ Pitfalls
- Adjusted to national context of RF – no simple copy and paste of other blueprints



Working Paper series



NATIONAL RESEARCH
UNIVERSITY

Thank you
for your attention
Спасибо

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