



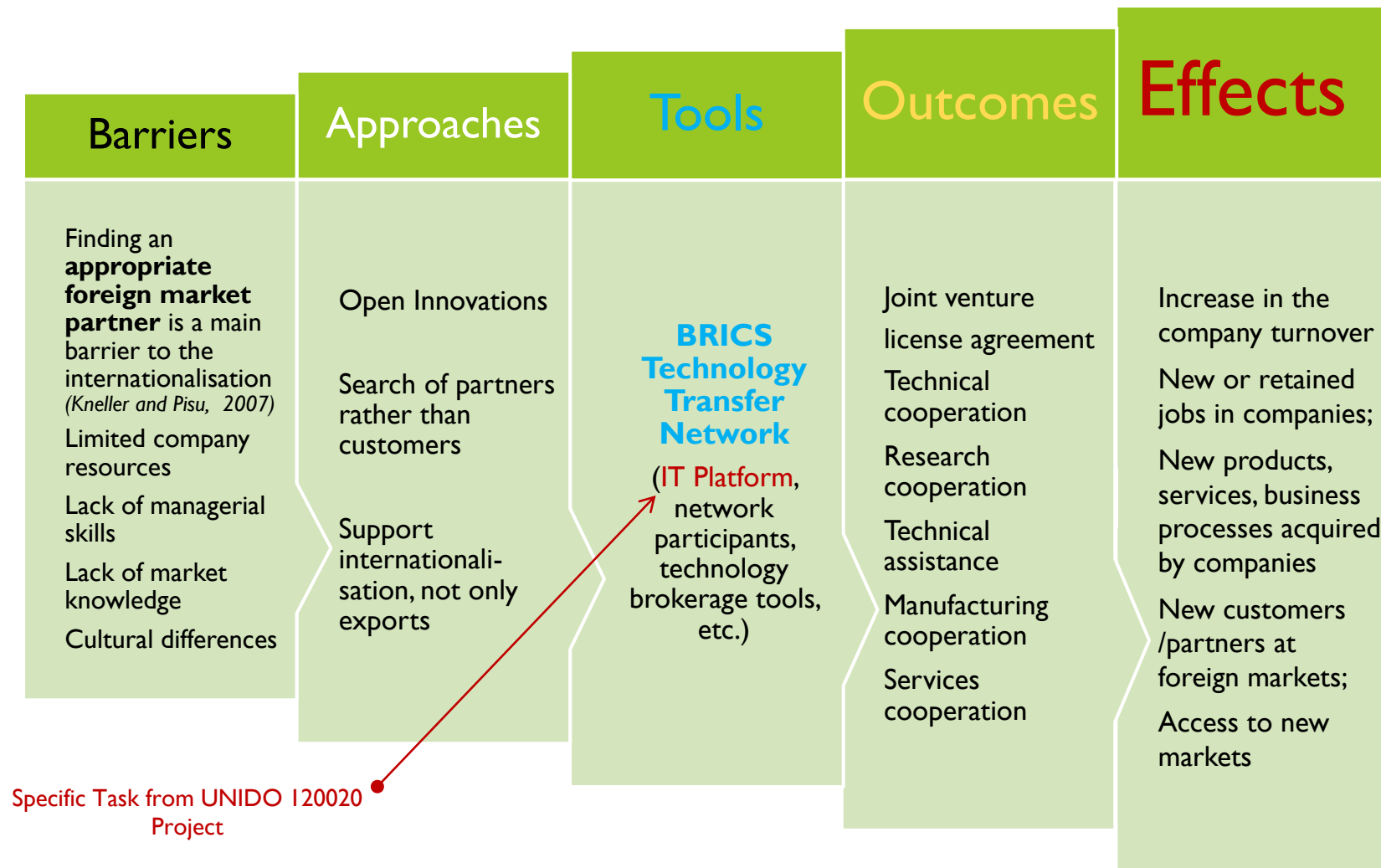
BRICS
ITIN



IT tool for the BRICS' Open Innovations

Anton Yanovsky
Project Director, Russian Technology Transfer Network

UNIDO request: a modern IT-tool to support Technology Transfer within BRICS

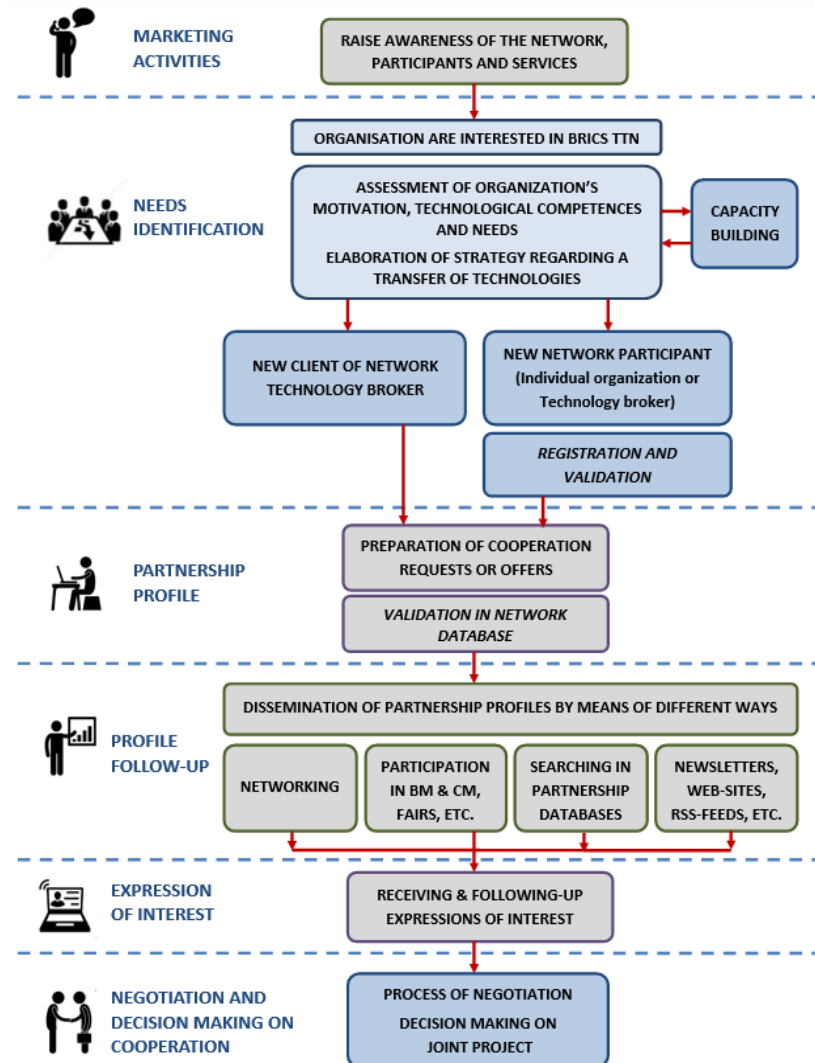


UNIDO Networking Platform: concept and key services

- ▶ **Open Innovations.** The Platform was designed to realise the Open Innovation concept. To implement the Open Innovation model, a company has to establish a network/ innovation **ecosystem of external partners** that have deep expertise in the required technologies. **Partner search is a key service in Open Innovations.**
 - ▶ **Internationalisation of SMEs.** The Platform includes services and tools supporting various forms of SME internationalisation:
 - ▶ Technology Transfer (license, joint ventures, technology cooperation etc.)
 - ▶ B2B cooperation (export, import, subcontracting etc.)
 - ▶ R&D cooperation (joint research)
 - ▶ The **quality of communications and information** is first factor of successful partnership building. The Platform provides services and tools to do this effectively for:
 - ▶ creation of **databases** of technologies and technology providers (Roster)
 - ▶ **complex structure of the Network**, including Customers, Technology providers, Experts, Support organisations, Marketing players, Regulators.
 - ▶ **tools for assessment** (validation) of technological information in accordance with specific regulations (standards)
 - ▶ tools for **supporting the “follow-up” communications** between network members
 - ▶ supporting the **expert community** (community of practice)
 - ▶ The Platform includes solutions for supporting networks focused on **specific technological areas** (like Green, Biotech, Advanced Materials, etc.):
-



UNIDO Networking Platform: participants, types of information, guidelines



3 Types of Network Members:

- innovative companies, R&D centres, universities, competence centres, etc. that offer or request innovative technologies;
- technology brokers – professional intermediary organisations;
- national Network Coordinators

5 Types of the Cooperation Profiles

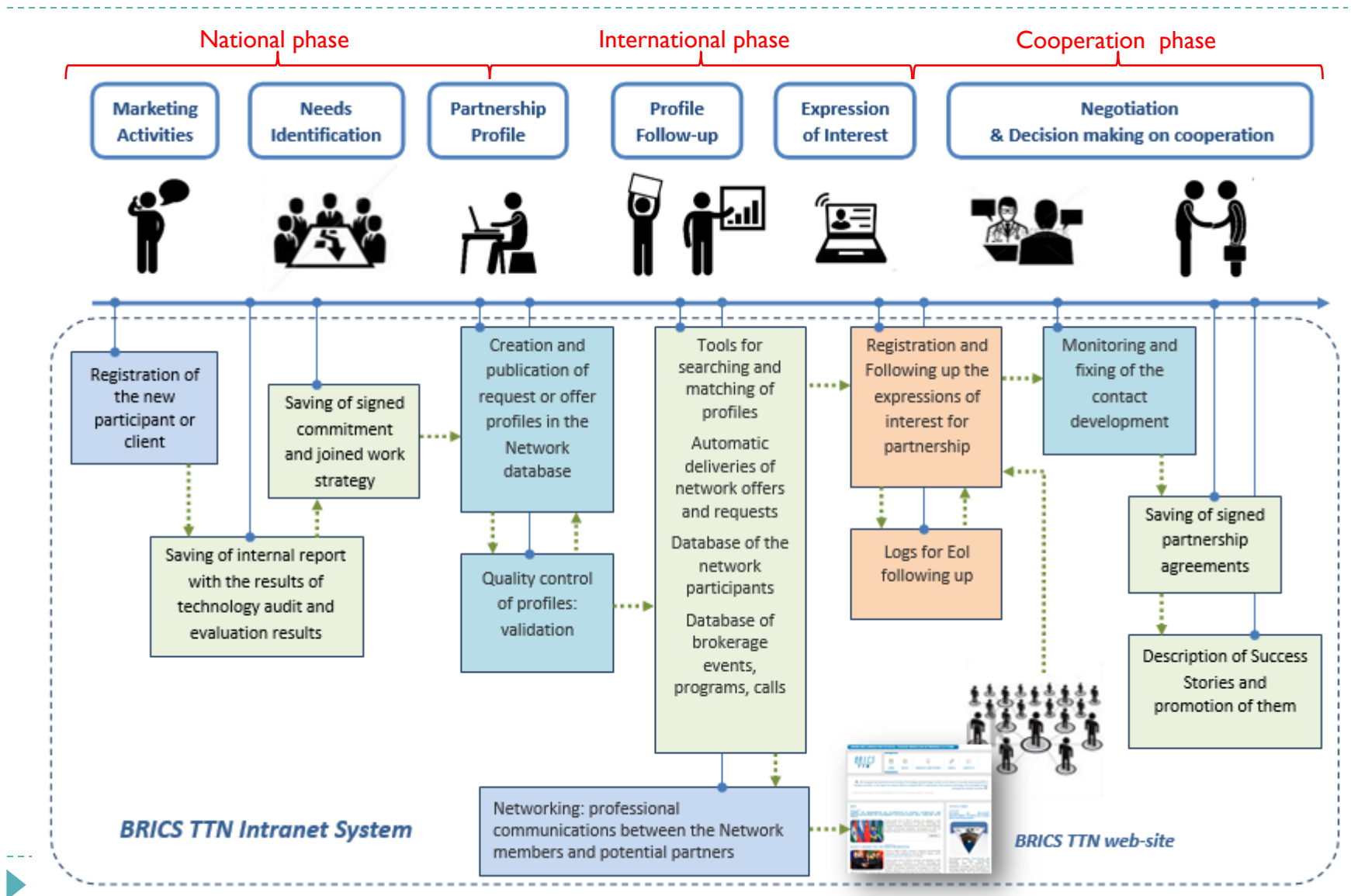
harmonized with major international technology transfer systems:

- Technology offers and requests,
- Business offers/request
- Request for joint R&D.

6 Guidelines for the Network Members:

- technology audit,
- preparation of good profiles,
- platform user guide, etc.

BRICS Technology Transfer Process & IT support



BRICS Technology Transfer Networking Platform

Web-site: brics-ttn.org

Intranet System

Access: itp.brics-ttn.org

LINKING BRICS INNOVATION POTENTIAL THROUGH INNOVATION NETWORKING PLATFORM



HOME ABOUT REQUESTS AND OFFERS USEFUL CONTACTS

“ We recognize the importance and centrality of knowledge and technology transfer as the means of mutually empowering BRICS member countries. In this regard we support efforts to establish BRICS mechanisms that enhance technology and knowledge transfer amongst the member countries. ”

First BRICS Science, Technology and Innovation Ministerial Meeting, Cape Town Declaration, CapeTown, SouthAfrica, 10 February 2014

NEWS

26.03.2015
SIGNING THE MEMORANDUM ON COOPERATION IN SCIENCE, TECHNOLOGY AND INNOVATION BETWEEN THE GOVERNMENTS OF RUSSIA, BRAZIL, INDIA, CHINA AND SOUTH AFRICA



Russia jointly with its BRICS partners has prepared a draft Memorandum on Cooperation in Science, Technology and Innovations Between the Governments of the Federal Republic of Brazil, the Russian Federation, the Republic of India, the People's Republic of China and the South African Republic.

[see more...](#)

22.03.2015
RUSSIA TO SIGN BRICS PACT ON SCIENCE AND INNOVATION



Russia is ready to ratify a science, innovation and technology cooperation pact prepared by the five BRICS nations, said a Russian government statement on Sunday.

“Russia jointly with its BRICS partners has prepared a draft Memorandum on Cooperation in Science, Technology and Innovations Between the Governments of the Federal Republic of Brazil, the Russian Federation, the Republic of India, the People's Republic of China and the South African Republic,” said the statement. The next BRICS Summit will be held in the Russian city of Ufa on July 9-10 this year.

BRICS countries, led by China, are looking to offer incentives to nudge domestic companies to shift from low-value, low-cost manufacturing to fostering innovation.

[see more...](#)

SUCCESS STORIES

02.04.2015
BRAZILIAN-RUSSIAN TECHNOLOGY PARTNERSHIP FOR PRODUCTION OF RIGID POLYURETHANE SYSTEMS USING ENVIRONMENTALLY FRIENDLY BLOWING AGENT



Brazilian company “Parcom Químicas”, an independent national System House specialized on polyurethane production, is investing in research and development of new technologies. The company established a special innovation center that comes out in-house R&D for polyurethane production and realizes open innovation projects with international partners.

[see more...](#)

27.03.2015
RUSSIAN OIL RECOVERY ENHANCEMENT TECHNOLOGY FOUND APPLICATION IN BRAZIL



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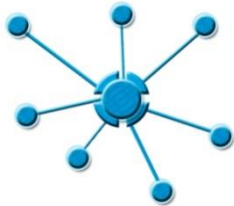
Total: 12

Number	Title	Profile type	Publication date	Ext. Journals
TVN-12658	Powerful dual-wavelength laser for surgery	Technology offer	BRICS - 27.03.2015	0
ETC-12730	Multi-functional tunable hardware-software complex for local and global process monitoring in pharmaceutical and food industry, medicine and agriculture	Technology offer	BRICS - 27.03.2015	0
ICJ-12078	Technology of biological wastes processing in agricultural and livestock production with the use of highly efficient biogas plants.	Technology offer	BRICS - 27.03.2015	2
ICJ-12650	Production technology for meat bioproducts with the use of dairy probiotic fermentation.	Technology offer	BRICS - 27.03.2015	0
RTIC-12557	Industrial technology for production of chemically pure humic complexes	Technology request	BRICS - 25.03.2015	1
RTIC-12571	Laser technology for welding extremely thin-walled tubular items	Technology offer	BRICS - 25.03.2015	1
RTIC-12589	Technology for modification of polyamide for producing biodegradable materials with a controlled destruction rate	Technology offer	BRICS - 25.03.2015	1
RTIC-12694	High efficiency aerosol filters for radiochemical and radiopharmaceutical industry	Technology offer	BRICS - 25.03.2015	0
RTIC-12693	Laser 2D and 3D processing of plastics for medical applications	Technology offer	BRICS - 25.03.2015	0
TVN-12723	Photo-modules for customer-specific improving the indoor air quality	Technology offer	BRICS - 25.03.2015	0
ICJ-10398	Technology for production of a preparation against plant pests, based on natural viruses safe for humans	Technology offer	BRICS - 25.03.2015	0
ICJ-12653	Production technology of high-performance clustered silver substance and products based on it for medical, veterinary, parapharmaceutical, and hygienic purposes.	Technology offer	BRICS - 25.03.2015	0

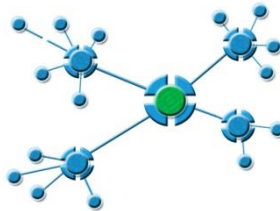
Total: 12

Specificity of the IT Platform

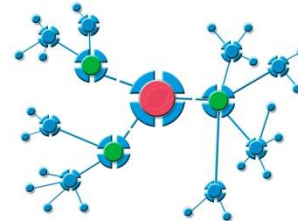
- ▶ IT platform realised as SaaS solution based on ASP.NET technology
- ▶ IT platform supports the **complex non-linear business process of the technology transfer** communications
- ▶ IT platform includes software solution for **Integration** with other datastores and platforms, e.g. National Technology Transfer Platforms/Initiatives (reducing efforts for integration up to 5 times)
- ▶ IT Platform includes convenient information objects and user-friendly interfaces for **different types of potential network members**: companies, technological brokers and governmental agencies (Network Coordinators)
- ▶ IT Platform has an **open module architecture** for future improvements and adaptation in line with participants' requests
- ▶ The Platform is specially designed to ensure a **flexible support for different types/ structures of technology transfer networks**, taking into account the specificity of national SME and technology transfer support instruments and organisations



“Star” type of network



Network of National coordinators



*“Network of National networks”
(Network of technology brokers)*



Scenarios for practical use of the UNIDO platform

- ① **Direct use** by companies or by technology brokers, for promotion of cooperation profiles and partner search
- ② **Integration** of National platforms/projects into the UNIDO platform: exchange of technology/business offers & requests, follow-up process, joint services, etc.
- ③ **Creation of National or Sectoral (e.g. Bio-, Agro- ...) Technology Transfer Networks** on the basis of the UNIDO platform



Join the BRICS TTN!

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