

PRESENTS

*Innovation and Technology
Transfer*

IMAGINATION



EXPLORE INNOVATIONS

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Prelude

- ▶ *Today, we are at the beginning of a Fourth Industrial Revolution. Developments in genetics, artificial intelligence, robotics, nanotechnology, 3D printing and biotechnology, to name just a few, are all building on and amplifying one another. This will lay the foundation for a revolution more comprehensive and all-encompassing than anything we have ever seen.*
- ▶ *Smart systems—homes, factories, farms, grids or cities—will help tackle problems ranging from supply chain management to climate change. The rise of the sharing economy will allow people to monetize everything from their empty house to their car.*
- ▶ *Albania cannot afford to not exploit the challenges and opportunities of the 4th Industrial Revolution that is already happening.*

I. Albania's Innovation System and Its Development

- ▶ *Innovation Strategy and Building Innovation-oriented Country*
- ▶ *Further Promoting Albania's National Innovation System*

II. Intellectual Property Promoting Innovation and Technology Transfer

- ▶ *New Developments in Albania's IP System*
- ▶ *Commercialization and Technology Transfer of Innovative Achievements Far from Sufficiency*
- ▶ *National IP Strategy for Innovation and Technology Transfer*
- ▶ *Major Problems in Technology Transfer*

III. Enhance Cooperation for Innovation and Technology Transfer

I. Albania's Innovation System and Its Development

Reasons for the adaptation of the innovation strategy

- ▶ *Create an innovation-oriented country*
- ▶ *Maintain long-term and rapid economic growth*
- ▶ *Realize sustainable development*
- ▶ *Upgrade industrial structure and transform the mode of growth, from resource and labor-driven to innovation-driven economy*
- ▶ *Improvement of competitiveness*

I. Albania's Innovation System and Its Development

Main Goals

By 2025, Albania aims to be one of the most innovation-oriented countries in the region

- ▶ *R&D investment will grow up to 2% of GDP*
- ▶ *Contribution rate of science & technology progress to economic growth will increase)*
- ▶ *Dependency ratio for foreign technologies will be evaluated*
- ▶ *Annual number of domestic granted invention patents and SCI papers will be increased.*

I. Albania's Innovation System and Its Development

Building independent innovative capacity includes three aspects

- ▶ *Capacity to make original innovation in the domain of basic research such as scientific discovery, and technological inventions*
- ▶ *Capacity to integrate existing technology, emerging technology and inventions in order to create new products or business lines with market competitiveness*
- ▶ *Capacity to absorb, digest and improve imported technologies, and to re-create IPR based on these technologies*

I. Albania's Innovation System and Its Development

Main priorities of science and technology innovation

- ▶ *R&D in fields of energy, water resources and environment protection*
- ▶ *Improvement of people's living and health standards is a major mission of science and technology innovation*
- ▶ *Development and exploitation of the pre-competitive "common" technologies in order to upgrade industrial structure and provide technological support to SMEs*
- ▶ *Reinforcing development and research of basic and pioneering technologies for sustainable development*

Further Promoting Albania's National Innovation System

Improve the legal framework favorable for innovation

- *Laws for Promoting Scientific Progress and Commercialization*
- *Laws for Enterprise Innovation*
- *Intellectual Property Laws*

Further Promoting Albania's National Innovation System Incentive Policies for Innovation

- *To adopt favorable public financial policies and to increase R&D input*
- *To establish and improve risk capital and investment capital market*
- *Science and Technology-oriented SMEs Innovation Fund*
- *Promotion of commercialization and technology transfer*
- *To cultivate a favorable innovation culture*
- *An Albania able to cope with the Fourth Industrial Revolution challenges and opportunities.*

II. Intellectual Property Promoting Innovation and Technology Transfer

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New Developments in Albania's IP System

- ***Increasing filings for invention patents on average annual growth***
- ***Increasing utility model and patent design filings***
- ***Increasing more national applications for invention patents***
 - ***Increasing PCT applications rank (pursuing patent protection internationally)***

II. Intellectual Property Promoting Innovation and Technology Transfer

Not Sufficient Commercialization and Technology Transfer

- ***Low number of patent applications on international level (PCT application)***
- ***Among all utility patents in Albania, they are self-utilized by the right owners, while the ratio of technology transfer and licensing is embryonic***
- ***Easier to file, harder to commercialize and transfer***

II. Intellectual Property Promoting Innovation and Technology Transfer

National IP Strategy

- ▶ *Albania is working on its national IP strategy, under which diversified and comprehensive policy tools need to be adopted to promote innovation and effective utilization of innovative achievements*
- ▶ *Establishing of local patented technology exhibition and trade center, encouragement of private capital investing in intermediary business for technology trade, and stimulation of commercial banks to provide IP asset loans.*

II. Intellectual Property Promoting Innovation and Technology Transfer

Major Problems in Technology Transfer

- ▶ ***Imbalanced capacities and potentials for innovation***
- ▶ ***Complexity of technology transfer***
- ▶ ***No willing to transfer technology***
- ▶ ***Out of date technologies transferred***

II. Intellectual Property Promoting Innovation and Technology Transfer

Major Problems in Technology Transfer

- ▶ *Hard to access to information & evaluation of technology*
- ▶ *High cost for negotiations, signing and executing contract*
- ▶ *IP abuse hindering technology transfer and innovation*

III. Enhance Global Cooperation, Promote Innovation and Technology Transfer


Conclusion

- ▶ ***Routine business for technology transfer for developing countries not sufficient, and new methods needed***
- ▶ ***More technical assistance needed for developing countries***
- ▶ ***Albania will continue to reinforce cooperation with WIPO and EPO Contracting States in IP, innovation and technology transfer***
- ▶ ***Albania will continue to work closely with WIPO and EPO in the above areas***

Thank You

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