ITU KALEIDOSCOPE
SANTA FE 2018

Machine learning for a 5G future

Bridging the technological gap
PROGRAM "SANTA FE 4.0"

MINISTERIO
CIENCIA, TECNOLOGÍA E
INNOVACIÓN PRODUCTIVA

Dra. Erica Hynes
minctip@santafe.gov.ar

26-28 November
Santa Fe, Argentina

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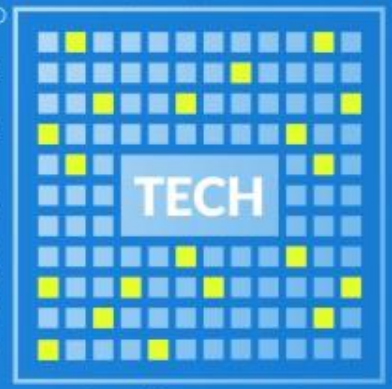

NEW PARADIGM

Since the development of microprocessor, the world is undergoing an **accelerated technological reconversion.**

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Technology change has **redefined global competition**

The **race for data management** and its application to the production process replaced the space/military race that characterized the Cold War

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SANTA FE faces the challenge

of developing and implementing a comprehensive strategy to insert its productive sector into technological reconversion under the new techno-economic paradigm.

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and to **develop new skills and investments** to increase productivity and value creation in a socially an environmentally sustainable way.

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Weaknesses

Industrial production is behind international standards, particularly in digitization.

Digitalization deficits across the complete production line: management, costs, traceability, design, process and control.

Digital gap is based on both, cost and scale problems.

Strengths

Santa Fe stands out in basic and applied research on technology and computer products and services.

Government is committed to support ICT development and technology transfer to companies.

Extensive network of small and medium-sized companies.

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STRATEGIC PROGRAM

Coordinate actions to incorporate Santa Fe economy into the **digitalization process to increase productivity** and to create new companies, jobs, products and services based on higher knowledge and value.

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OBJECTIVES

1. Build **accurate diagnostics** of the digital gap by industry types and sizes.

2. Contribute to the development of a **public-private service infrastructure** for industrial digitalization.

3. Contribute to the **development of software** to reduce the costs of acquisition of technologies produced outside the provincial system.

OBJECTIVES

4 Encourage the development and purchase of **equipment for industrial automation.**

5 Contribute to the **development of connectivity infrastructure** for a connected economy.

6 **Train human resources** for the development of greater technical complexity capabilities of the digital economy.

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COMPONENTS

COMPONENT 1

Generation of digital gap diagnoses

Generate a dynamic diagnostic system to identify critical points of Santa Fe companies and production organizations.

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COMPONENTS

COMPONENT 2

Technical support services network for digitization

Help in the coordination of technological services provision for industrial digitalization, provide information about the supply of available services and strengthen the competitiveness of local providers.

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COMPONENTS

COMPONENT 3

ICT Laboratory

CONICET

Develop with CONICET and companies in the ICT sector, public-private and public-public partnerships for medium-term, high complexity software development in the proof of concept phase of the supply chain.

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COMPONENTS

COMPONENT 4

Human resources 4.0.

Train capable human resources for digital reconversion through strategic postgraduate scholarships and the dialogue between the government, software industry and the industry sectors undergoing digitalization.

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JOINT COORDINATION

Ministries of Science Technology and Productive Innovation

Ministry of Production

The Secretary of Energy

The Ministry of Education

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THANK YOU

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