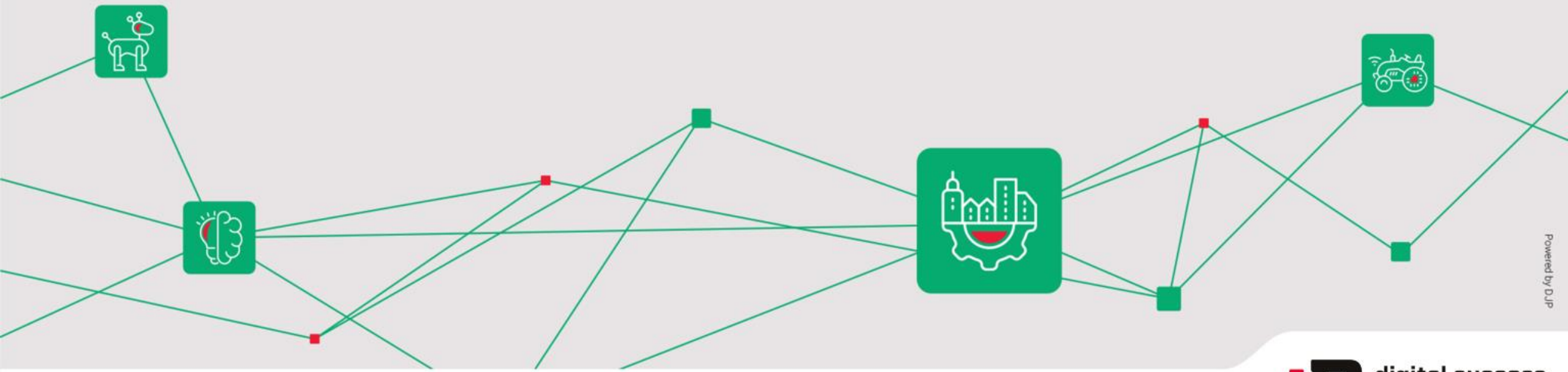
Digital Success Programme 2030

COMPETENT STATE, (DIGITAL STATE GOVERNANCE)



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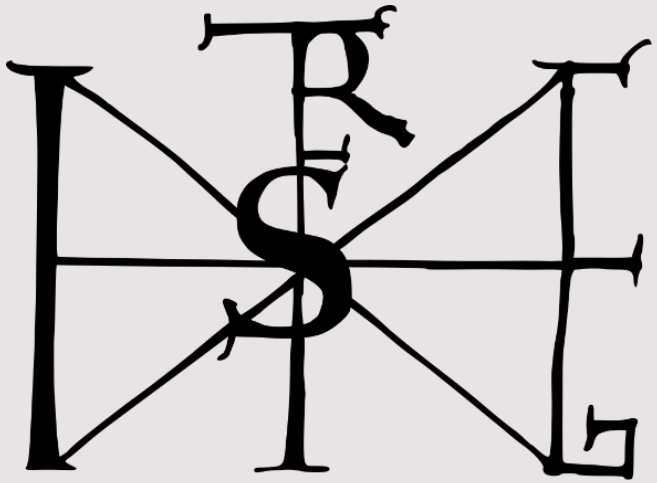
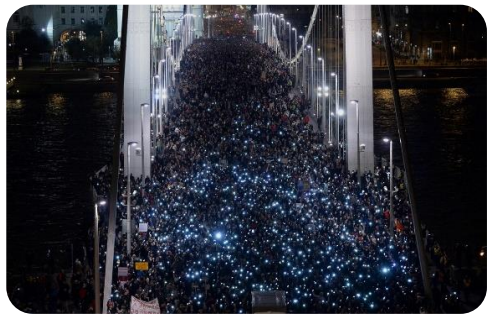
King Saint Stephen*'s Admonitions (Admonitiones - 1027)

„It's time to stop eating with a soft porridge anymore, it can only make you soft and fussy, and that's a waste of masculinity and a striker for sins and contempt for the laws; but be drunken with wine that is sometimes bitter, which makes your mind attentive to my teaching. Upon premising these, let us move on subject."



***Patron saint of the Hungarian state and army, in peacetime this means the Hungarian public administration.**

The DSP was a novel answer given for a fierce political situation. The conservative national government took the initiative of digital transformation based on the responsibility from the millennial statehood.



InternetKon

digital success programme

DSP1.0 (2015)

- It is based on the results of a consultation (InternetKon)
- Reflects the suggestions of the public and professional organisations
- 18 areas, 50+ projects
- Implemented, integrated into the execution of new tasks

DSP2.0 (2017)

- It is based on the results of NIS (National Infocommunication Strategy) and DSP 1.0
- Reflects policy, public administration and professional organisation proposals
- 90+ projects in 27 areas
- Closing implementation: End of 2019

DSP 2030 (2019-2020)

- It is based on the research results of the DSP and other government think-tanks and ministries, and on co-governmental cooperation.
- A holistic and structured accounting system for government actions related to the development of a country's digital ecosystem.
- „Mendeleev's Public Administrative Table"

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THE TASK SYSTEM OF THE DSP 1.0 AND 2.0

DIGITAL INFRASTRUCTURE

- Reduction of internet VAT 18%, then 5%
- Digital Success Basic Package
- 5G Coalition of Hungary
- Superfast Internet Program legal accessibility, coordination
- 5G Strategy of Hungary
- Strategy of Gigabit Hungary
- Hospital WiFi
- Further development of H-BONE, higher educational, infrastructure development strategy of research institutes
- Free WiFi Welfare WiFi
- School bandwith widening, school WiFi
- 5G Pilot Programs

DIGITAL COMPETENCES

- Digital Educational Strategy of Hungary
- Digital Child Protection Strategy of Hungary
- Digital Competence Development. DJJK / Neumann Non-proift Ltd.
- DSP Network: 1500 DSP point and DSP mentor
- Senior Citizen Infocommunica-tion Model Program
- Online Promotion of the spread online governmental public administration and e-health services and the extension the DSP
- Tender for NGOs and professional organisations
- Digital Success Software Package
- LISA - Local Interactive Social Application
- Digital Success Club
- Digital Workforce Program
  - 1341/2019 (VI.11) Gov. decree. Measures of the introduction and improvement of DigiKomp

DIGITAL STATE

- Digital Public Administration
  - Digitalisation of the 10 most frequent cases
  - magyarország.hu Website
  - 1818 improvement proposal
  - Digital appearance of municipalities
- Review of e-commerce legislation.
- Establishment of equal opportunities in the domestic digital industry
  - Support of open source developments
  - Review of funding possibilities of ICT, SMEs
  - Survey of public informactics procurement practice
- RISA Regional Interactive Social Application
- National Data Asset Agency
- Digitalisation of public collections for educational purposes
- Recycling of public data, national data policy
- Kézai Simon Programme

DIGITAL ECONOMY

- Digital Export Development Strategy of Hungary
- Digital Startup Strategy of Hungary
- Digimpex/HYPER
- Establishment of Digital Sport Knowledge Center
- TAX discount for Angel investor
- Artificial Intelligence (AI) Coalition
- Digital Success Financial Program Credit and Equity Program
- Digital Health Industry Development Strategy of Hungary
- Registry of Fraudulent e-trader
- Digital Success Financial Trademark Concept
- Digital Agricultural Academy
- Digital Agricultural Strategy of Hungary
- Fintech Strategy Crowdfunding proposal
- Analysis and proposal of Sharing Economy
- Preparation of micro-enterprises for the digital era
- Program for the support of ICT development of agricultural enterprises
- Digital Trade-in Services Development Strategy
- Elaboration of agricultural data integration program
- Artificial Intelligence Strategy of Hungary
- Elaboration of digital agricultural consultant training program
- Digital Sport Strategy of Hungary
- Report and proposal of the business model of the so called digital convenience services
- Methodological support of digitalisation of industries. (food industry, logistics, health industry, creative industry, building industry)
- State of Emergency Logistic Strategy
- Digital development of regional SMEs

HORIZONTAL ISSUES

- DESI research
- Digital Trend Monitoring
- Measure Center Digital Ecosystem
- Examination of sanctional possibilities of harmful conduct due to the digitalisation
- Physiological and social impact assessment of digitalisation
- Information security and cybersecurity
- Strengthening the Hungarian presence in relevant international events
- Network research:formal and informal networks in the digital ecosystem
- Observatory
- CRC, CIC preparation of digital novel

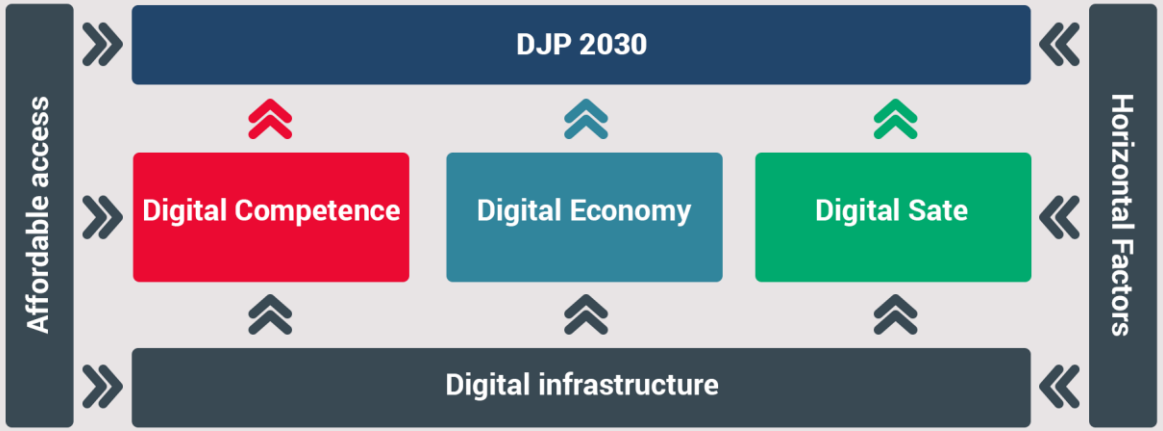
Smart City, Civitas Sapiens
- Civitas Sapiens - digital regional development expert training
- Smart City pilot programs
- Design Smart City Marketplace

Creation of the unified digital ecosystem of the Hungarian Carpathian basin
- Cross border DSP Salon System
- Cross border extension of the DSP

Implemented 40 tasks

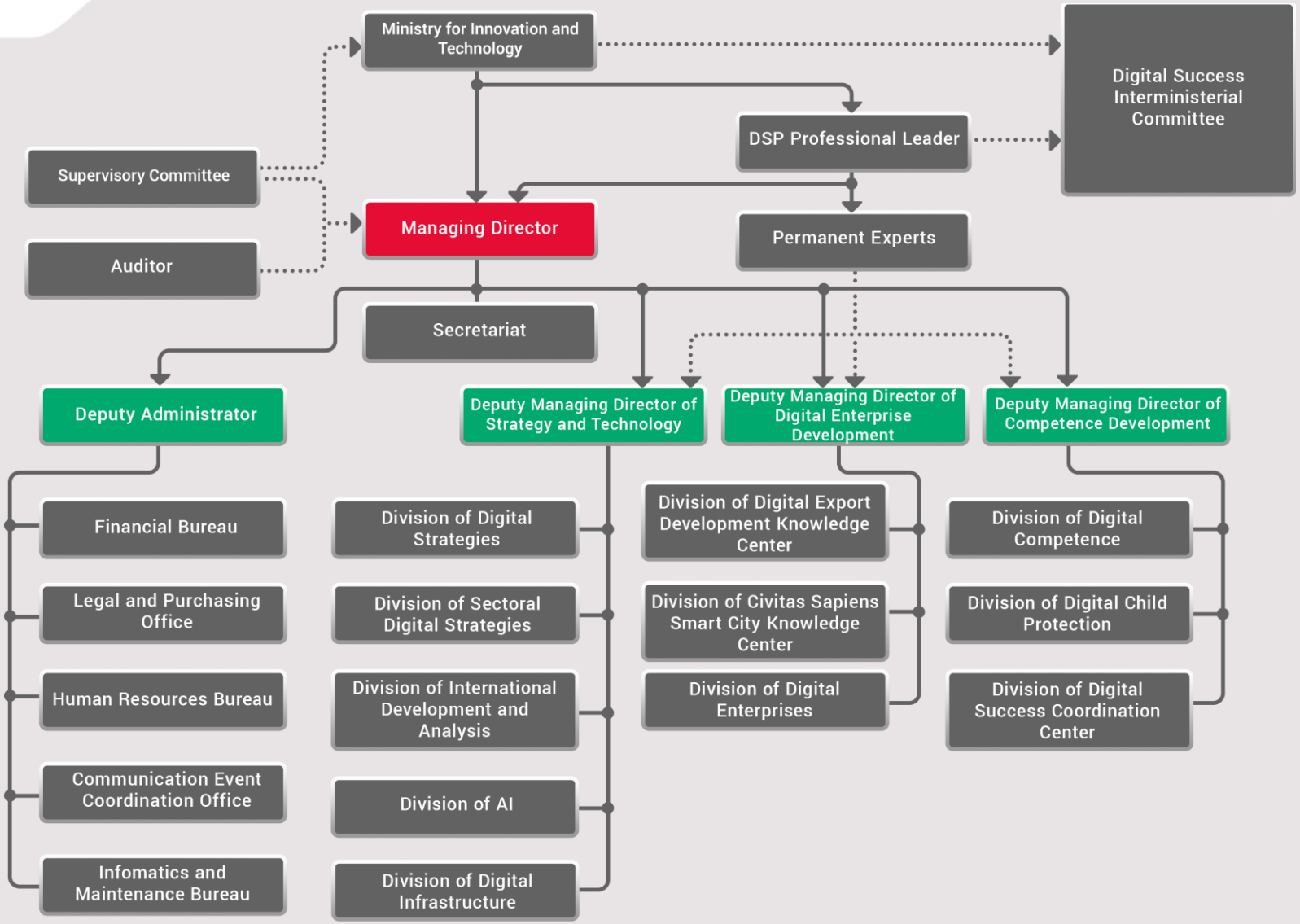
Done 23 tasks

In progress 12 tasks



digital success programme

THE STRUCTURE OF DSP



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UNIVERSITY COOPERATION AND AREAS OF COOPERATION

Gödöllő - Szent István University:
Digital Agricultural Strategy

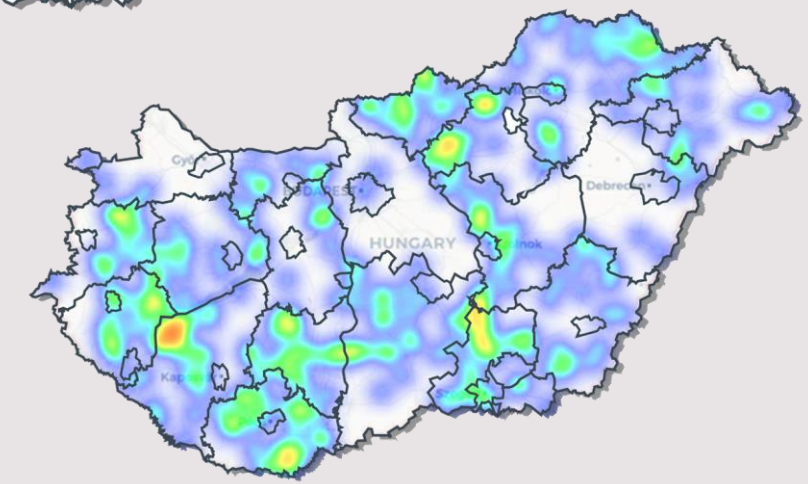
University of Miskolc:
public service, automation, strategy design

Győr - Széchenyi István University:
e-commerce, sharing, consumer protection, equal TAX treatment

University of Debrecen:
Human Impact Assessment of Digitalisation

Veszprém - University fo Pannonia:
Digital Comenius Program

University of Szeged
Open Source



Eötvös Lóránd University:
Digital lawyer education, data asset and AI legislation

University of Physical Education:
Digital Sport Strategy, DSP Digital Sport LAB centre of excellence

Corvinus University of Budapest:
Fintech, digital workforce program

Moholy-Nagy University of Arts and Design:
Smart City, digital creative industry

Pázmány Péter Catholic University:
Digital lawyer education, data asset and AI legislation

Budapest University of Technology and Economics:
Data asset, Budapest Talent Hub, digital infrastructure, artificial intelligence

University of Public Service:
network research, digital state-governance, smart city

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MAIN ORGANIZATIONS AND STRATEGIC PARTNERS OF DSP

digital success programme

digital success nonprofit ltd.

Neumann János Nonprofit Kft.

5G koalíció

mesterséges intelligencia koalíció

hte FOUNDED IN 1949
SCIENTIFIC ASSOCIATION FOR INFOCOMMUNICATIONS HUNGARY

KIFÜ Kormányzati Informatikai Fejlesztési Ügynökség

inCotér

IVSZ SZÖVETSÉG A DIGITÁLIS GAZDASÁGÉRT

DOSZ doktoranduszok országos szövetsége

njSzt

HÉT

NHIT Nemzeti Hírközlési és Informatikai Tanács

INFOTÁRS

Eötvös Loránd Fiatal Szakértői Rendszer

CED GROW TOGETHER

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Public policy framework, model for the competent state

Magyary Programme + DSP = Digital State Governance

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digital success programme

Role of a strategy and its characteristics:

Objective: the good functioning of the state, which according to the present strategy could be described mainly by compliance

Integrity: there shall be no phenomena and actions that cannot be interpreted in the current strategic framework

Resource-optimization: operating external and internal factors in the most coherent way (strengthening internal synergies, inhibition of bad effects)

Flexible frame: instead of rigid precise target expectations and indicators, an interpretation system and renewable action plans at mid-term scale

State strategy related to digitalization:

Two interpretive widths:

- Broader: public governance of digitalisation
- Narrow: digital state-governance

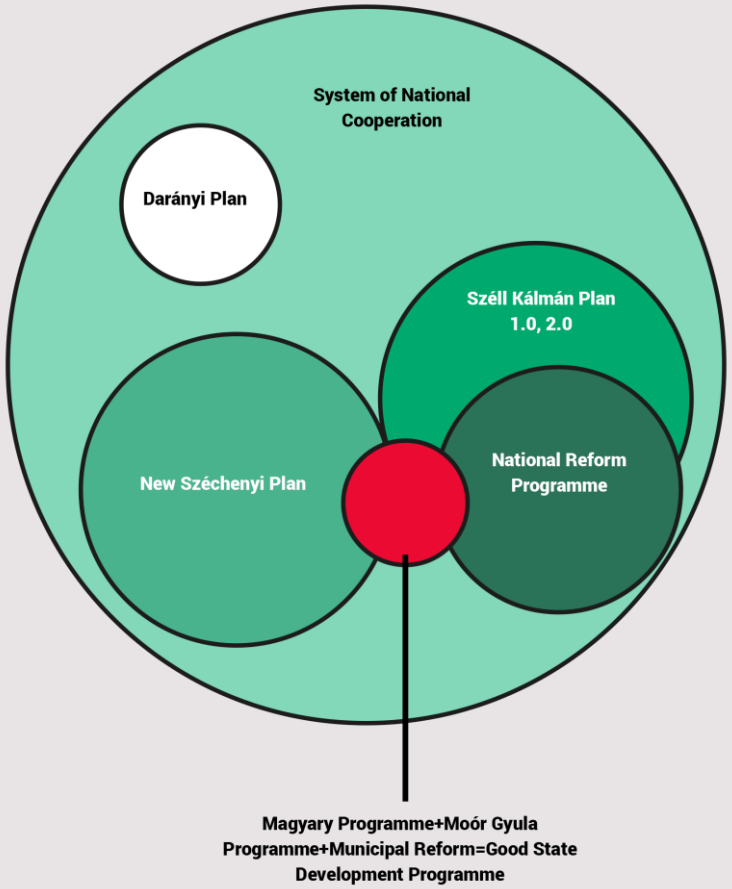
In addition to the issue of competitiveness, it is now primarily a matter of sovereignty for the state (Last such: 1000 years investiture controversy)

Instead of natural forces or political leaders, the technology industry initiates state reform with a compliance dimension (profit and competitive service) different from that of the state.

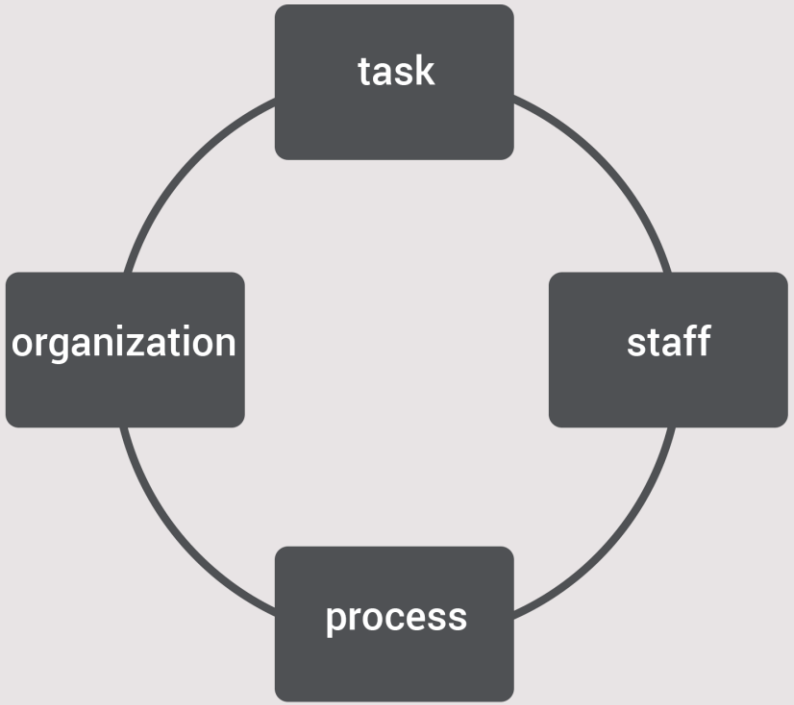
In addition to sensitizing strategies to support the digital switchover, a new interpretative framework rewriting the basic operational rules of the state is needed: „in addition to map and route plan, mainly new engine and chassis"

The digital state-governance shall be achieved effectively – cf. maintenance of continuous operation - by building on and inoculating on the analog state government. (Magyary + DSP)

MAGYARY PROGRAM



successful → economical → effective → safe → manageable → adaptable



1. Programme
2. Holistic
3. Comprehensible
4. Vocative
5. Valuable
6. Its determined main objective „effective national public administration”
7. It has four areas of intervention
8. Receptive
9. It has a task-centric approach

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STATE (PUBLIC ADMINISTRATION) – MEASUREMENT (AND ASSESSMENT)

1. **Competitiveness measuring organisations (absolutisation of investment aspects of enterprises)**
2. **Human and civil rights organisations (absolutisation of individual rights)**
3. **Organisations assisting training, researching and describing the complexity of public administration (in addition to the complexity of evaluation, complex descriptions can usually only be interpreted for a narrow expertise**

Note: In the case of each measurement, the assumptions and underlying expectations related to goodness must be viewed with sufficient criticism (credit rating agencies, perceptions of lawyers about the state).

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GOOD STATE COMPLIANCE AND EXPECTATION SYSTEM (2014)

good = right					
Internal adequacy		**Self-adequacy**		**External adequacy**	
individual-community-enterprise (1.1.)	past, present, future (1.2.)	operability of the state (2.1.)	ontogeny of the State and persistence (2.2.)	evolution and persistence of humanity (3.1.)	livability of Earth (3.2.)
State = Sovereign Power institution = branches of power					
1. Executive power governance		**2. Lawmaking - politics**		**3. Justice**	**4. Checks and balances**
public administration	municipal administration (in delegated governmental competences)	legislation	self-regulation		
effective and national		representative (democratic, plural) and lifelike		legitimate and fair	1-3. Based on institutional characteristics

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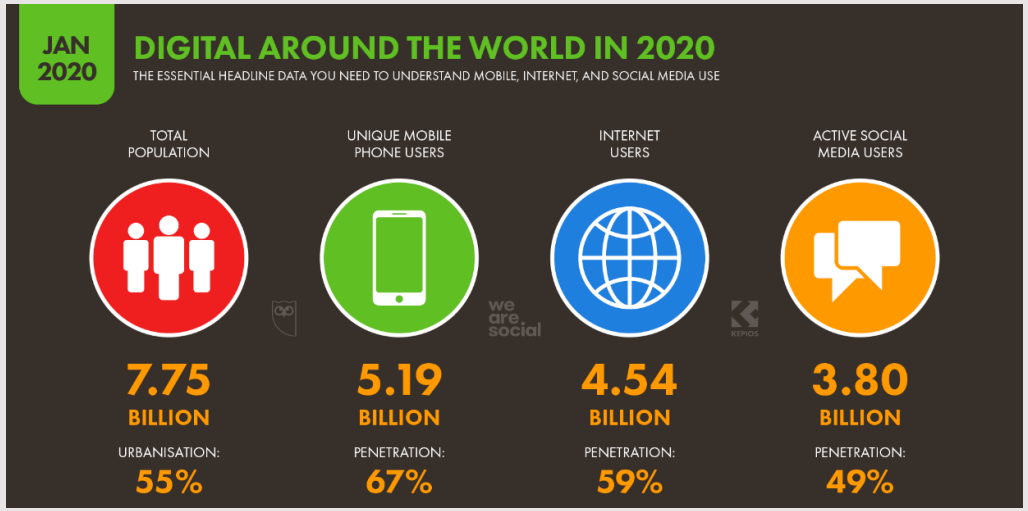
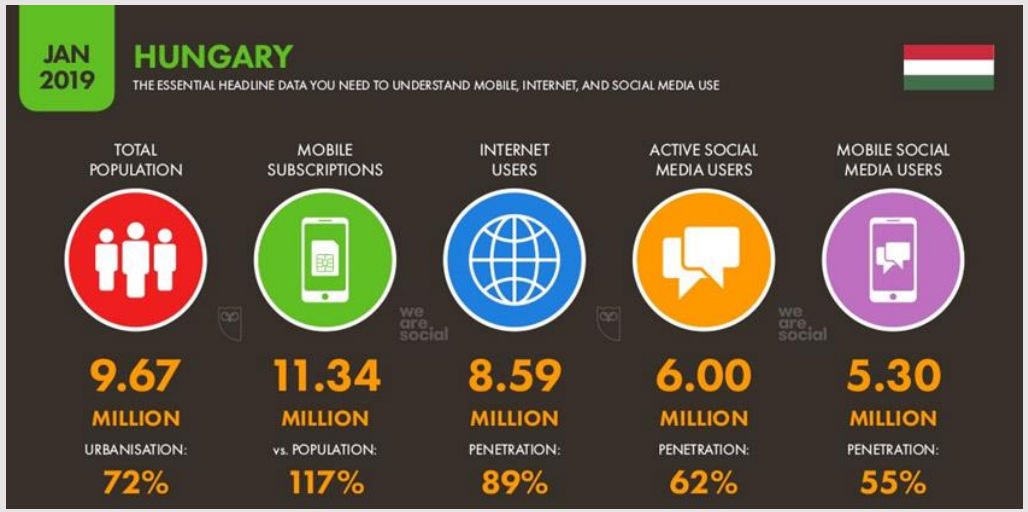
GLOBAL MEASUREMENTS OF DIGITALISATION (1.)





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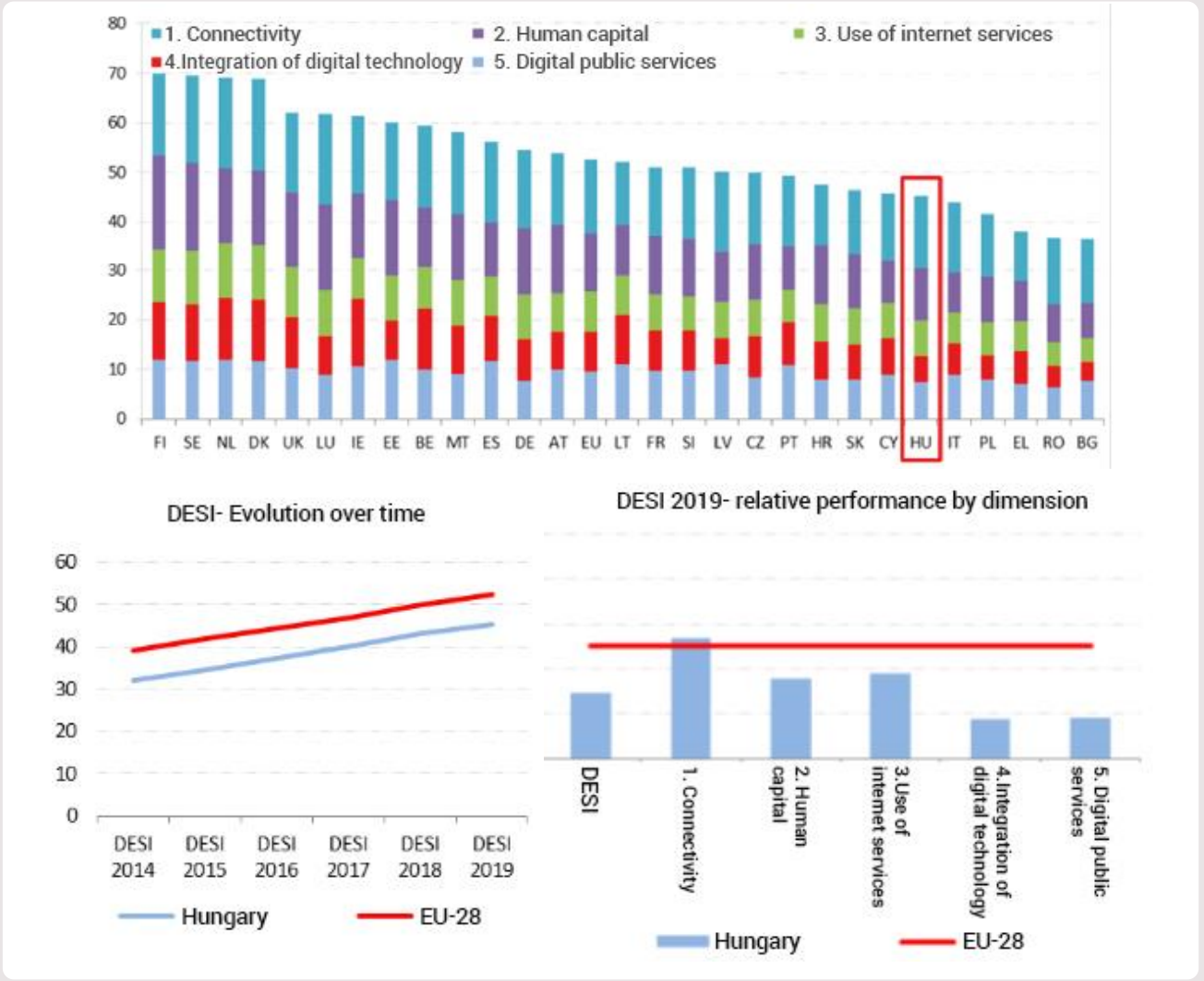
GLOBAL MEASUREMENTS OF DIGITALISATION (2.)

Digital Economy and Society Index (DESI) – basically an indicator of competitiveness

1. Network connectivity
   Wired broadband, mobile broadband and prices
2. Human capital
   Internet use, basic and advanced digital skills
3. Use of Internet Services
   Use of online content, Usage of communication and electronic transactions
4. Integration of digital technologies Digitalisation of businesses and e-commerce
5. Digital public services
   E-government and e-health



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digital success programme

OBJECTIVE AND AREAS OF INTERVENTION OF DSP 2030

Digital Success Program 2030								
Human			Machine			System		
a person who is valuable at the labor market, in communities, especially in the family and as a citizen			the digital economy and infrastructure, in all sectors			digital state governence		
competent person	likeable person	state-forming person	„good field”	„nice game”	„home team”	clean data	useful robot	understandable network

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DSP2030 - HUMAN

Competent person

To train and encourage people who are able to perform valuable, especially in the labour market and in the communities:

1. **Digital Education Strategy of Hungary (Government Decree 1536/2016. (X. 13.))**
2. **Digital Competence Framework (Government Decree 41/2019. (VI. 11.))**
3. **Elderly Affairs Program**
4. **Digital Workforce Program that includes a tracking and forecasting system**
5. **Career program to enable people with disabilities to enter the targeted digital labour market**
6. **Digital Success Package for affordable access**
7. **Digital Success Club to reach those who are left out of the digital ecosystem**

Likeable person

Enabling the possibility and protecting healthy and happy private, community and family life:

1. **Digital Child Protection Strategy (Government Decision 1488/2016 (IX.2.))**
2. **Kézai Simon Programme (Digital Family History Program)**
3. **Comenius Digital Programme (in addition to the competent person, protection of people, language, culture and self-protected digital infrastructure)**
4. **Continuous observation of the harmful effects of digitalisation in an observatory manner.**
5. **Digital novel of CRC and CI. for an accurate dogmatic grasp of new phenomena**

State-forming person

Protecting and providing public services to citizens with an independent, undistorted sense of reality that ensures the functioning of a sovereign and democratic rule of law:

1. **GDPR and data awareness**
2. **Social media public services by sectoral administrative systems**
3. **Digital Public Collection Strategy and support for the domestic content industry**
4. **Proactive Cybersecurity**
5. **National digital consultation**
6. **Direct citizen access - DSP contact point network**
7. **Smart City - Civitas Sapiens - Community Digital Town / Area Planning**

DJP2030 - MACHINE

„Good field”

A competitive and developed economic ecosystem, in particular:

1. Modern, partly state digital infrastructure (5G, mainframes, clouds, etc.)
2. Appropriate and incentive regulation, in particular regulation of the use of data, blockchain and artificial intelligence (technological persons), and a barrier-free administrative environment
3. Modern and up-to-date sectoral strategies
4. State pilots and test environments
5. Higher education, vocational training and adult education system with modern training structure and adult learning
6. Active and proactive participation in international digital ecosystem measurements (DESI)
7. A functioning data economy

„Nice game”

Encouraging good solutions in the interests of efficient and clean competition, excluding harmful deviations:

1. Preventive and interceptive consumer protection (proactive consumer awareness raising, increased prosecution and sanctioning of certain offences)
2. International public interest enforcement
3. A regulatory environment that immediately reflects on technologies
4. Operate marketplaces for state validation in order to inform consumers
5. Accurate measurability of the external and internal network operation and embeddedness of organisations

„Home team”

Interventions to ensure equal opportunities for Hungarian economic actors under significant global pressure:

1. Digital Export Development Strategy of Hungary (Government Decree 1491/2016 (IX. 15.)) and Digital Startup Strategy (Government Decree 1858/2016 (XII. 27.))
2. DSP Capital and Credit Program
3. In addition to consumer protection validation, marketplaces supporting also domestic actors
4. Sectoral strategies and action plans, and as part of this, the support of the digitalisation of Hungarian SMEs
5. Preparing for quantum computer rearrangement
6. Supporting open source developments - maintaining digital security of supply through software and hardware diversification
7. Industry-oriented higher education through the DSP network of excellence points.

DJP2030 - SYSTEM

Baseline	**Magyary 11.0 and 12.0**			
Main objective	**Effective national public service**			
Areas of intervention	**Organisation:**	**Objective:**	**Procedure:**	**Personal:**
Measures	1. coalitions - a new economic and social partnership, 2. network operation - exceeding competence, 3. increase of authentication capability - external and flexible public task performance 4. innovative international partnerships 5. diagnostic examination of the status and assessment of a given organism in the ecosystem 6. organisational interpretation of blockchain 7. Liability of “Technological Persons”	1. e-Public Administration loses its comprehensive nature 2. new type of sovereignty protection 3. +/- effects of digitalisation in all sectors 4. new structured equal tax treatment 5. new type of legislation, norm algorythmization (faster obsolescence) 6. data based operation (data asset policy) 7. artificial intelligence - a new type of off-setting point - technological person 8. global observation systems - observatories	1. procedure automation 2. customer profiling and initiating administration, 3. a decision by a more complex consideration 4. more effective impact assessment 5. expansion one-tier procedures 6. monitoring of higher frequency and parallel processes with new tools (network research) 7. seizing new jurisdiction-cyberspace 8. Novel authentication - quantum	1. competency development workshops 2. new kind of careers 3. more modern C.G.S. (corporate governance system) 4. Performance Diagnostics 5. expert cloud next to the dwindling faculty of officials 6. management and use of formal and informal functioning
Areas of intervention	**data**	**robot**	**network**	
Main objective	**Effective national public service**			
	Digital Magyary 1.0			

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DJP2030 - SYSTEM

Faster aging paradigms and conceptual systems

An emerging conceptual, dogmatic framework (see Corpus Iuris Civilis 529 AD)

A new era in public administration science. Digitalisation can become a quasi empirical science, still not human / social experiments and maximum legal protection in individual cases, but proceedings can be better parameterised due to algorythmization, and retrospective evaluation and measurement can give more exact feedback. Improvements can be made faster and more efficiently.

Digital State Governance: increasing the efficiency of government through the most expedient use of digital physical and virtual tools.

Implementing the highest possible degree of automatization provided by the data available and created by the functional, professional and political operation, in a way that both individual and normative, higher frequency and complex task execution should be measurable- evaluable and controllable-manageable through the use of new mathematical methods (ie. network science).

An adaptive and adequate state is expected.

Adaptation is an important feature of the adequate State (an element of effectiveness). But with mere adaptation without historical bonds, the state cannot fulfil its vocation because the main drivers of digitalisation have different systems of goals, values, and expectations.

When adapting digital government:

- **technological diversity and**
- **maintenance of analog operational capability**

is of paramount importance

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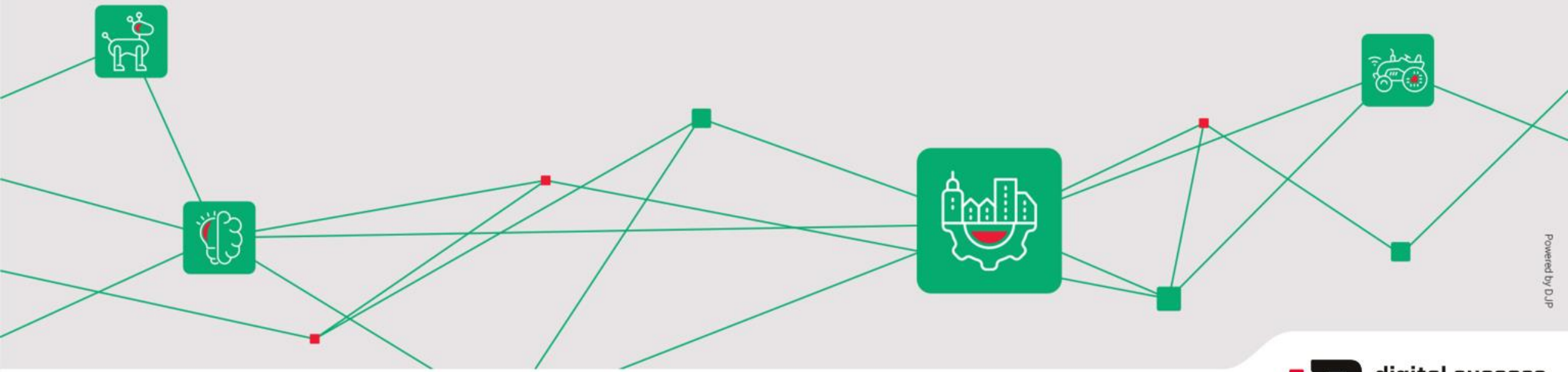
Thank you for your attention



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