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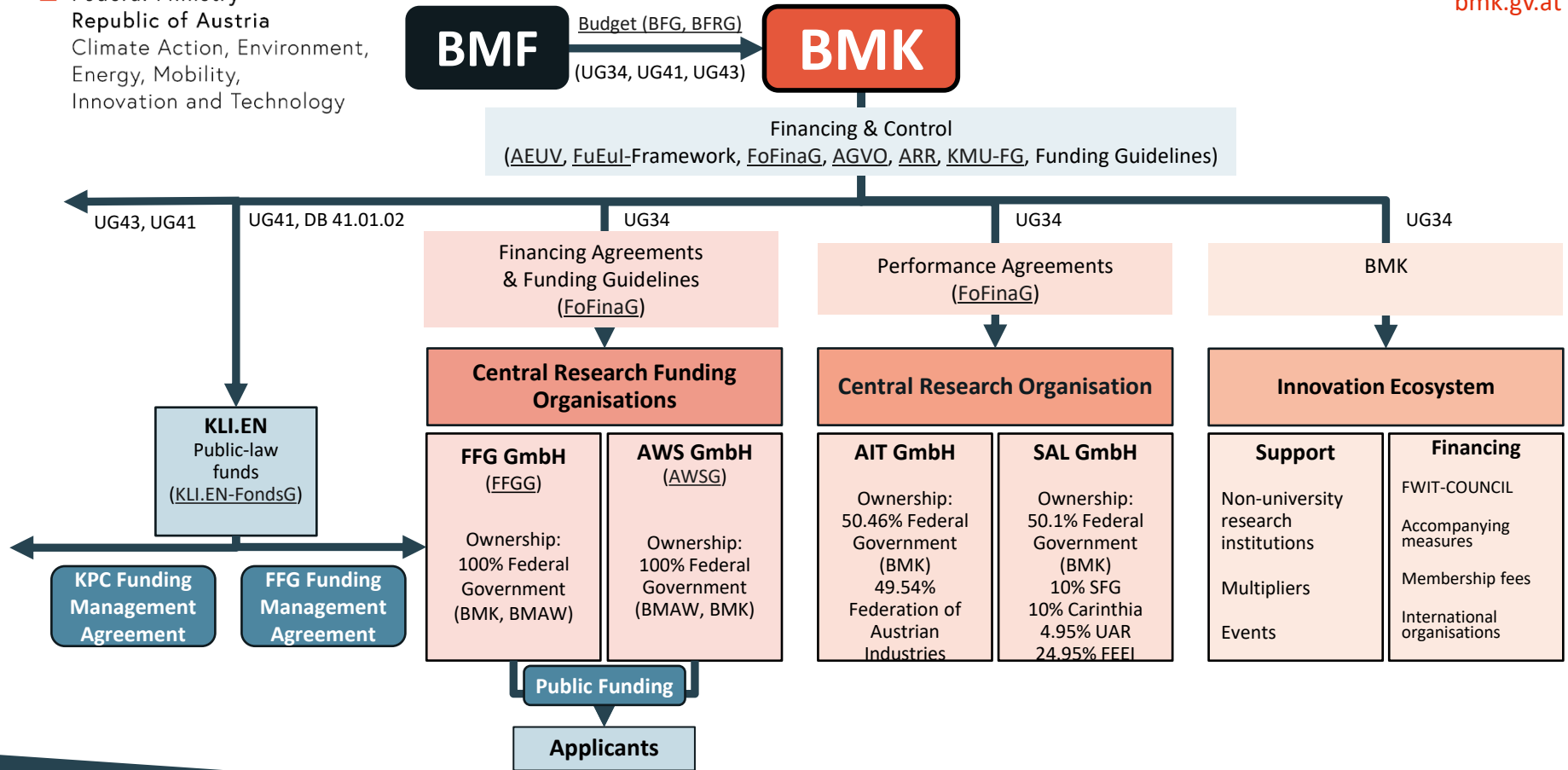
Implementation, Monitoring and Evaluation of Transformative Innovation Policy in Austria
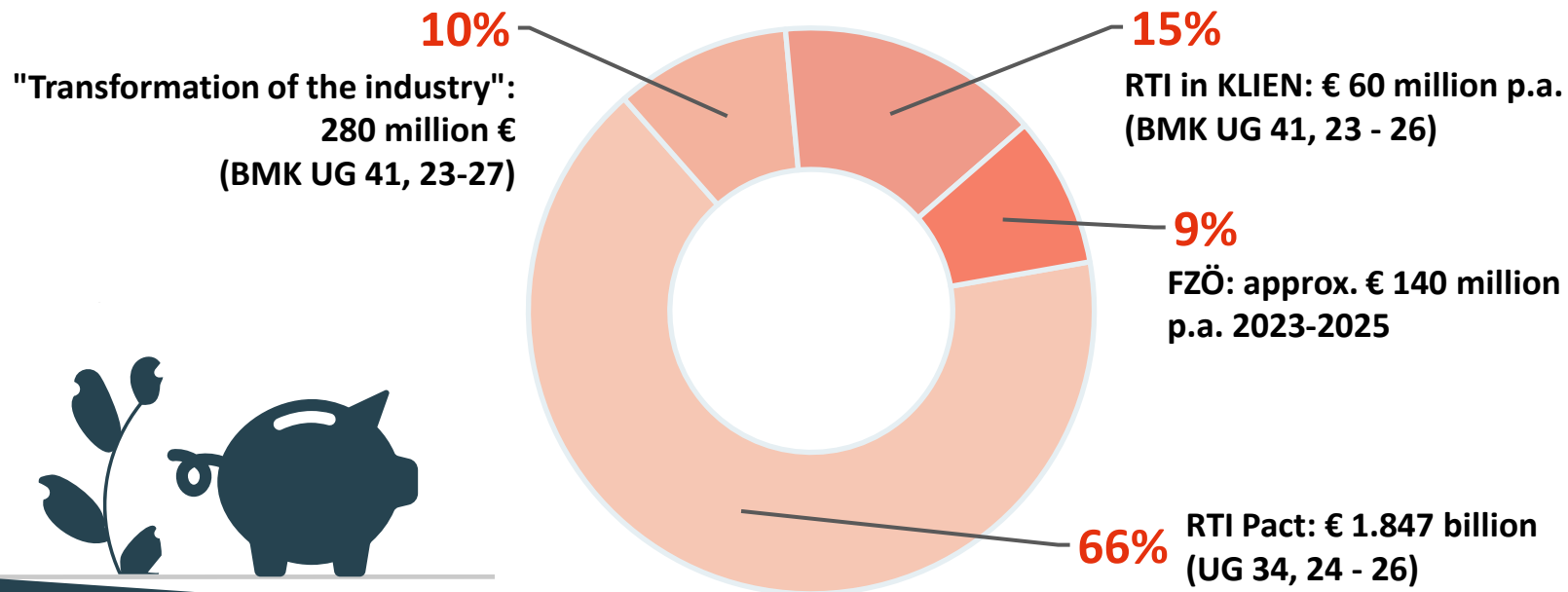
Revaluation Conference 2024

Henriette SPYRA, Director General for Technology and Innovation
Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology

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Directorate General „Innovation and Technology" (Applied Research)

- **Responsible for Technology and Innovation Policy and the respective budget chapter in Austria**

- Support **of companies to develop innovative solutions. Companies often collaborate with research organisations**

- **RTI Pact 24-26 5,2 Billion EUR**, thereof **36% of the RTI Pact budget is for applied research**

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BMF → Budget (BFG, BFRG) → **BMK**
(UG34, UG41, UG43)

Financing & Control
(AEUV, FuEuI-Framework, FoFinaG, AGVO, ARR, KMU-FG, Funding Guidelines)

UG43, UG41 | UG41, DB 41.01.02 | UG34 | UG34 | UG34

Financing Agreements
& Funding Guidelines
(FoFinaG)

Performance Agreements
(FoFinaG)

BMK

KLI.EN
Public-law
funds
(KLI.EN-FondsG)

**Central Research Funding
Organisations**

Central Research Organisation

Innovation Ecosystem

FFG GmbH (FFGG)	**AWS GmbH** (AWSG)
Ownership: 100% Federal Government (BMK, BMAW)	Ownership: 100% Federal Government (BMAW, BMK)

AIT GmbH	**SAL GmbH**
Ownership: 50.46% Federal Government (BMK) 49.54% Federation of Austrian Industries	Ownership: 50.1% Federal Government (BMK) 10% SFG 10% Carinthia 4.95% UAR 24.95% FEEI

Support	**Financing**
Non-university research institutions Multipliers Events	FWIT-COUNCIL Accompanying measures Membership fees International organisations

**KPC Funding
Management
Agreement**

**FFG Funding
Management
Agreement**

Public Funding

Applicants

Regulations and Budgets

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Budget allocation "RTI promotion & beyond"

10%

"Transformation of the industry":
280 million €
(BMK UG 41, 23-27)

15%

RTI in KLIEN: € 60 million p.a.
(BMK UG 41, 23 - 26)

9%

FZÖ: approx. € 140 million
p.a. 2023-2025

66%

RTI Pact: € 1.847 billion
(UG 34, 24 - 26)

Illustration: https://undraw.co/illustrations

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Overarching Goals

Shaping Austria for the future together through transformative and effective RTI:

Shaping the green and digital transformation with R&I by developing and demonstrating technologies and system innovations for **climate neutrality.**

Advance **competitiveness and technological sovereignty through targeted identification** and realisation of innovation chances in the development of key technologies.

Strengthen **resilience, security and well-being** by building innovation capacity and future competences in the business sector, research organisations and multipliers.

Illustration: Undraw.com; Photo top: Li-An Lim, Unsplash
Photo bottom: Hannah Busing auf Unsplash; Foto center: IQOQI Innsbruck/Harald Ritsch

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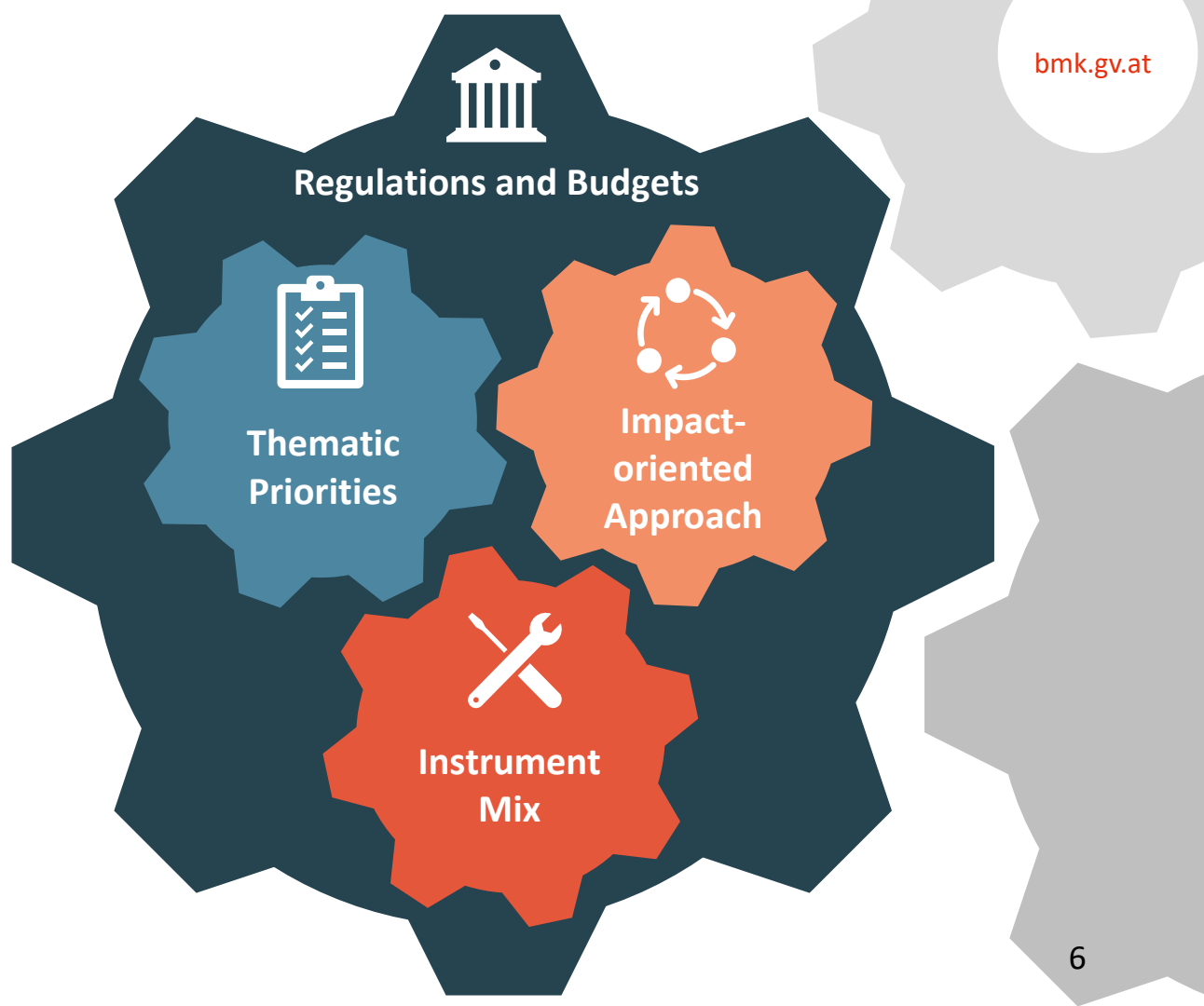
Research, Technology Development & Innovation

for a green and digital transformation of the Austrian economy and society.

Climate Neutrality in Cities and Municipalities

Circular Economy and Production

Energy Transition

Mobility Transition

Shaping green and digital transformation

Digital and key technologies

Space & aviation technologies

Recognising and realising innovation opportunities

Participation

Building competencies

Infrastructures

Networking

Strengthening innovative capacity and future-competencies

The EU and International Cooperation

Thematic Priorities

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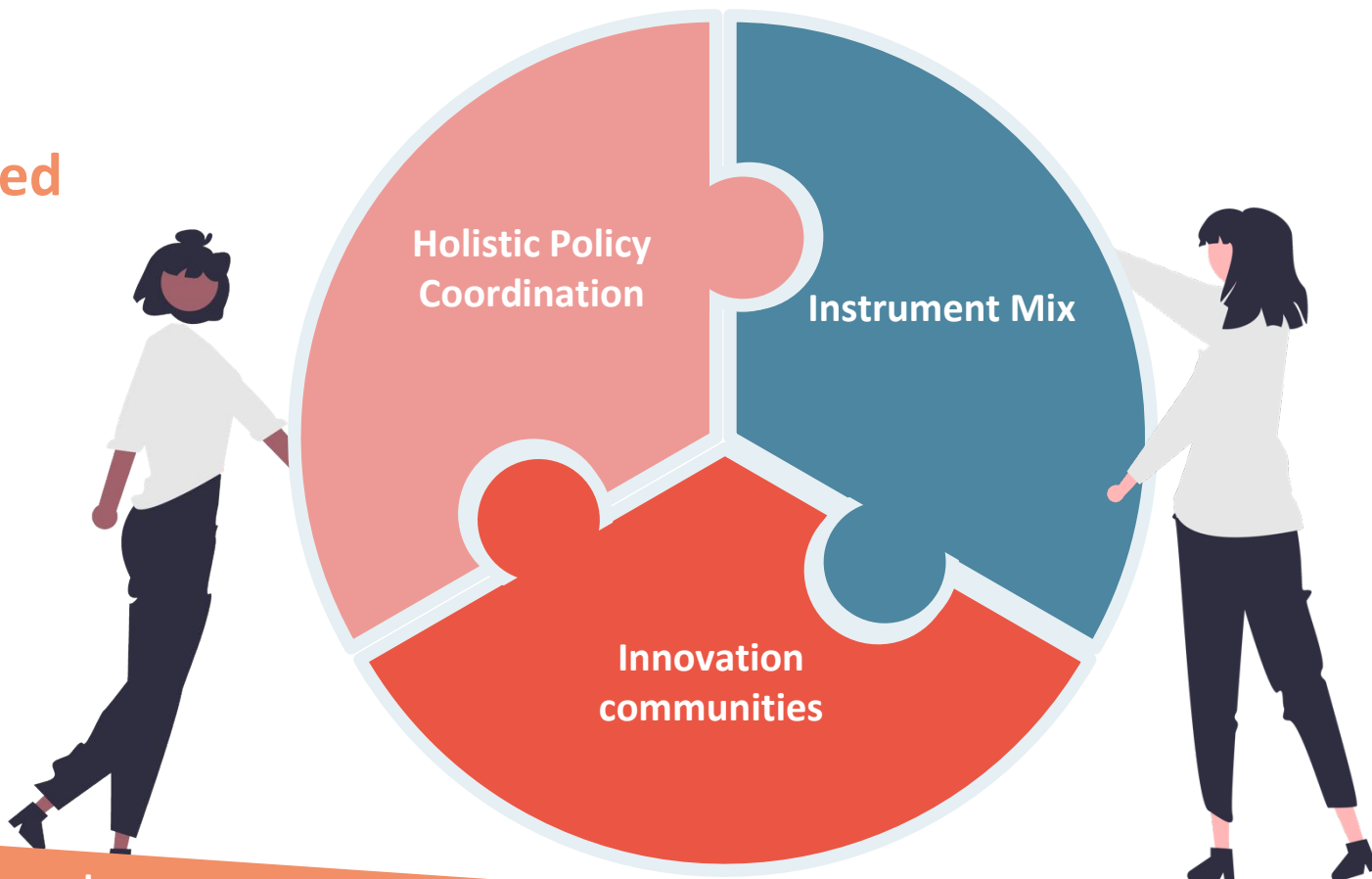
Transformative Innovation Policy

Innovation Labs
→ long-term spaces for learning and experimenting

Public-Public Partnerships
→ Foster innovation capacities of public institutions, e.g. city administrations

Regulatory Sandboxes
→ Research and innovation projects outside the existing regulatory framework

Innovative large-scale Projects
→ Combining STI funds with investment funds, e.g. for transformation of industry

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Image sources: uxwing.com & undraw.co

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Examples for new Approaches for Monitoring and Evaluation

1. **Piloting of Monitoring across all RTDI activities**

2. New approaches to measure contribution of **RTI activities to Green Transition**

3. New measures to steer and **monitor basic funding for Research and Technology Organisation**

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Piloting of Monitoring across all RTDI activities

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Indicators and Niches I

Objectives	What is already available?		What is missing?
Competition and sovereignty	• 4 (EU/International) • 3 (Start-Ups) • 2 (utilization) • 3 (Property right and patent applications) • 1 (competitive position) • 3 (secondary statistics)	➔ **16 indicators**	• Key technologies • Support of industry • Meta-analysis on economic effects
Climate neutrality	• 1 (SDGs) • 1 (contribution to taxonomy) • 2 (Patent publications for environmental technologies, Share of the sector's R&D in the environment-related production value	➔ **4 indicators**	• System innovations
Resilience and well-being	3 (Cooperation) 2 (new funding recipients) 3 (jobs/project positions) 1 (Involvement of users) 1 (Publications) 4 (secondary statistics)	➔ **14 indicators**	• Meta-analysis of jobs created

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Indicators and Niches II

Objectives	What is already available?	What is missing?
Equality	➔ **12 indicators** on working hours performed by women and women in management positions in relation to AWS, FFG, AIT and SAL + secondary statistics	
Communication/ dissemination	➔ **2 Indicators** for BMK events	• project results

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New approaches to measure contribution of RTI activities to Green Transition

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New Approaches

- Strenghten **„RTI for green transition" in one of the impact objectives**

- **Define indicators** tracking the new impact objective

- **Set-up 4 RTI transformative missions** adressing green transition

- Implementing/Strenghtenging of „**sustainability criteria**" in the FFG project evaluation

- **Self-declaration of completed/incomming projects** whether they could contribute to the six environmental objectives of the **EU-Taxonomy and SDG**

- **pilot cases for „Green Budgeting"**

- Piloting a **formative evaluation for the Mission Climate Neutral Cities** in 2024

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New measures to steer and monitor basic funding for
Research and Technology Organisation

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Milestones for implementing impact monitoring of RTO funding

- **2020 Research Financing Act**: adoption of RTI-Pact => **funding agreements for 3 years** with central institutions, incl. RTOs

- Agreements define objectives, priority measures and **key performance indicators**

- **Monitoring Meetings twice a year** to discuss progress and impact

- First steps in further development of monitoring and impact evaluation:

  – quality assurance of KPIs and consistent data collection within RTO

  – Further development of stronger indicators (transfer, impact)

  – Collection of impact stories and plan for impact study from RTO vs. confidentiality requirements of companies

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New challenges to come