

# Accelerating innovation, entrepreneurship and digital transformation in Europe

## Regional Good Practices Report Overview

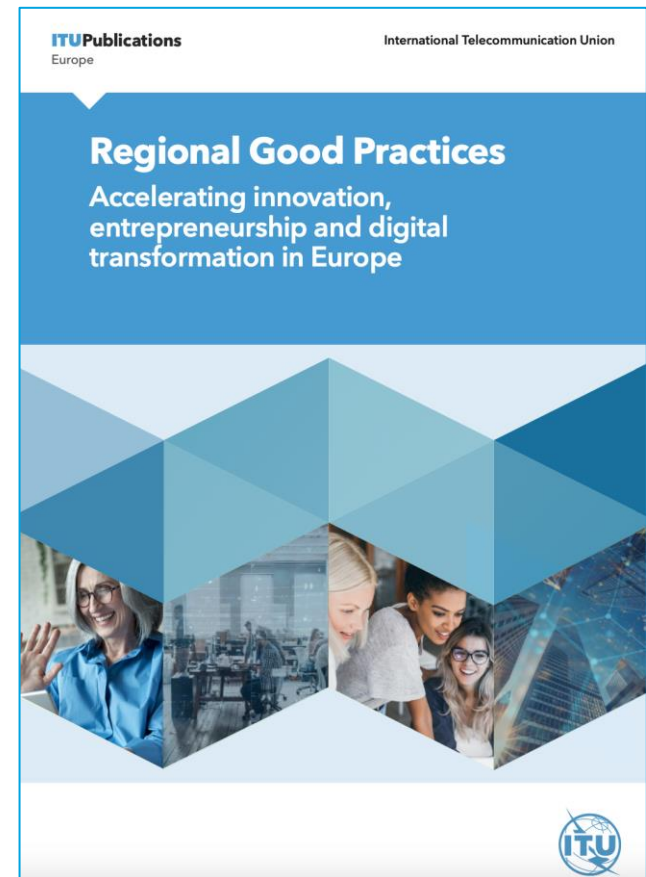
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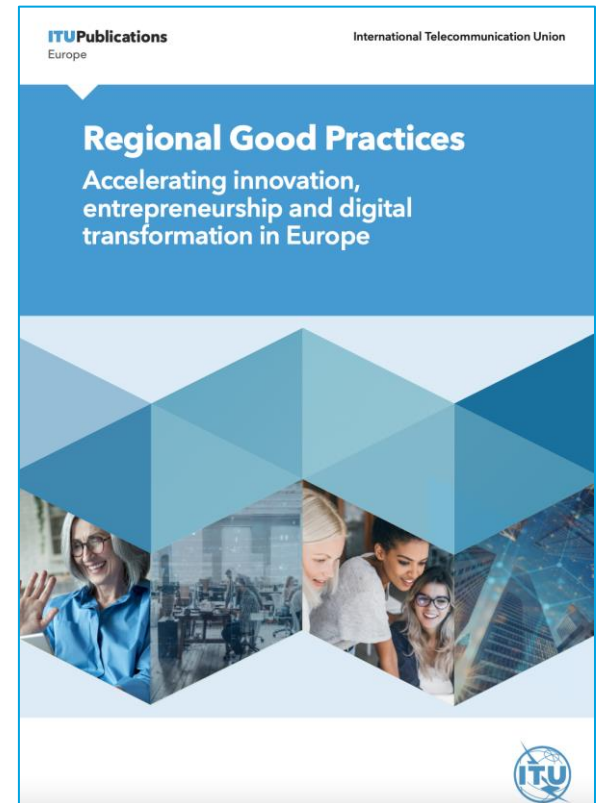
# About this report

- **Evidence-based guidance on measuring innovation capacity the region**
- Provides insights and good practices that can be replicated by innovation champions in local communities
- Based on data available on Dec 2020
- 46 countries
- 15 best practices



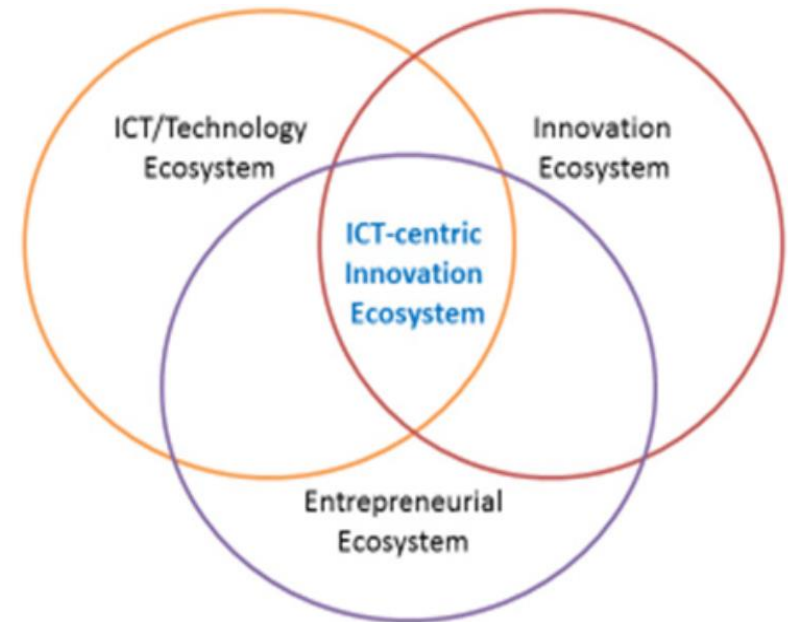
# About this report

- Based on the 2017 ITU digital innovation framework, updated in 2020 with *Bridging the Digital Innovation Divide: A toolkit for developing sustainable ICT-centric ecosystem projects*



## 3 engines of growth:

- national innovation ecosystem
- entrepreneurial ecosystem
- technology ecosystem



Source: ITU

# ICT-centric ecosystem indicators – 3 engines of growth

- [ICT Development Index](#) (IDI) - measures ICT infrastructure and access, the level of ICT use in society and the impact of efficient and effective ICT use
- [Global Innovation Index](#) - measures and ranks countries' efforts and success in innovation
- [Global Competitiveness Index](#) - measures 12 pillars that the WEF has identified as essential to national competitiveness
- [Global Entrepreneurship Index](#) - measures 14 entrepreneurship-enabling pillars


































## 3 engines of growth – TOP 5 performing countries in Europe

	ITU IDI Ranking (2017) 176 countries	Global Innovation Index Ranking (2020) 131 countries	Global Competitiveness Index Ranking (2020) 141 countries	Global Entrepreneurship Index Ranking (2018) 137 countries
<b>Denmark</b>	4	6		6
<b>Germany</b>			7	
<b>Iceland</b>	1			7
<b>Netherlands</b>	7	5	4	
<b>Switzerland</b>	3	1	5	1
<b>Sweden</b>		2	8	
<b>UK</b>	5	4	9	4

## 3 engines of growth – Bottom 5 performing countries in Europe

	ITU IDI Ranking (2017) 176 countries	Global Innovation Index Ranking (2020) 131 countries	Global Competitiveness Index Ranking (2020) 141 countries	Global Entrepreneurship Index Ranking (2018) 137 countries
<b>Albania</b>	<b>89</b>	<b>83</b>	<b>81</b>	<b>83</b>
<b>Bosnia and Herzegovina</b>	<b>83</b>		<b>92</b>	<b>95</b>
<b>Ukraine</b>	<b>79</b>		<b>85</b>	
<b>North Macedonia</b>	<b>69</b>	<b>57</b>	<b>82</b>	
<b>Georgia</b>	<b>74</b>	<b>63</b>		<b>77</b>
<b>Moldova</b>		<b>59</b>	<b>86</b>	<b>92</b>
<b>Serbia</b>		<b>53</b>		<b>74</b>


































# ICT-centric ecosystem indicators – 3 engines of growth

Country	Income level (2019) <sup>10</sup>	Entrepreneurial ecosystem performance (Global Entrepreneurship Index 2018)	Technology ecosystem performance (ITU IDI 2017)	Innovation ecosystem performance (Global Innovation Index 2019)	Innovation performance (2019)
Finland	High income	 Green	 Green	 Green	Above expectations for level of development
France	High income	 Green	 Green	 Green	Above expectations for level of development
Georgia	Lower-middle income	 Yellow	 Yellow	 Yellow	Above expectations for level of development
Germany	High income	 Green	 Green	 Green	Above expectations for level of development
Greece	High income	 Yellow	 Green	 Yellow	In line with expectations for level of development
Hungary	High income	 Yellow	 Yellow	 Yellow	In line with expectations for level of development
Iceland	High income	 Green	 Green	 Green	In line with expectations for level of development
Ireland	High income	 Green	 Green	 Green	Above expectations for level of development
Israel	High income	 Green	 Green	 Green	Above expectations for level of development
Italy	High income	 Yellow	 Yellow	 Green	In line with expectations for level of development
Latvia	High income	 Yellow	 Green	 Yellow	In line with expectations for level of development
Lichtenstein	-	-	-	-	-

- EU + UK performs better than EU countries



# ICT-centric ecosystem indicators – 3 engines of growth

Country	Income level (2019) <sup>19</sup>	Entrepreneurial ecosystem performance (Global Entrepreneurship Index 2018)	Technology ecosystem performance (ITU IDI 2017)	Innovation ecosystem performance (Global Innovation Index 2019)	Innovation performance (2019)
Lithuania	High income	 Green	 Green	 Yellow	Below expectations for level of development
Luxembourg	High income	 Green	 Green	 Green	In line with expectations for level of development
Malta	High income	-	 Green	 Green	In line with expectations for level of development
Moldova	Lower-middle income	 Yellow	 Yellow	 Yellow	Above expectations for level of development
Monaco	-	-	 Green	-	-
Montenegro	Upper-middle income	 Yellow	 Green	 Yellow	Above expectations for level of development
Netherlands	High income	 Green	 Green	 Green	Above expectations for level of development
North Macedonia	Upper-middle income	 Yellow	 Yellow	 Yellow	Above expectations for level of development
Norway	High income	 Green	 Green	 Green	In line with expectations for level of development
Poland	High income	 Green	 Yellow	 Yellow	In line with expectations for level of development
Portugal	High income	 Green	 Green	 Green	In line with expectations for level of development
Romania	Upper-middle income	 Yellow	 Yellow	 Yellow	In line with expectations for level of development

- Among EU27 + UK, only Bulgaria, Hungary, Slovakia, and Romania demonstrate moderate level of performance in all dimensions

# ICT-centric ecosystem indicators – 3 engines of growth

Country	Income level (2019) <sup>10</sup>	Entrepreneurial ecosystem performance (Global Entrepreneurship Index 2018)	Technology ecosystem performance (ITU IDI 2017)	Innovation ecosystem performance (Global Innovation Index 2019)	Innovation performance (2019)
San Marino	-	-	-	-	-
Serbia	Upper-middle income	Yellow	Yellow	Yellow	In line with expectations for level of development
Slovakia	High income	Yellow	Yellow	Yellow	In line with expectations for level of development
Slovenia	High income	Green	Green	Green	In line with expectations for level of development
Spain	High income	Green	Green	Green	In line with expectations for level of development
Sweden	High income	Green	Green	Green	Above expectations for level of development
Switzerland	High income	Green	Green	Green	Above expectations for level of development
Turkey	Upper-middle income	Yellow	Yellow	Yellow	Below expectations for level of development
Ukraine	Lower-middle Income	Yellow	Yellow	Yellow	Above expectations for level of development
United Kingdom	High income	Green	Green	Green	Above expectations for level of development
Vatican	-	-	-	-	-

- Among non-EU countries, all but Macedonia demonstrate moderate performance in all three engines of growth
- But non-EU countries are catching up

# UK country policy “screenshot”

Country	Policy	Policy type (engine of growth)		
		Entre- pre- neurial	Techno- logy	Inno- vation
<b>United Kingdom</b> <sup>313, 314</sup>	UK Digital Strategy 2017 <sup>315</sup>	x	x	x
	Making Tax Digital <sup>316</sup> 2018	x		
	Innovator Visa, Startup Visa and Entrepreneur Visa <sup>317</sup>	x		x
	Scotland’s Digital Future Strategy, Digital Wales Strategy and Digital Northern Ireland 2020 <sup>318</sup>	x	x	x
	Government Digital Inclusion Strategy <sup>319</sup> 2014	x	x	
	Innovation Strategy <sup>320</sup> for Government 2019		x	x
	Fintech Regulatory Sandbox <sup>321</sup> 2015	x		x
	AI Review (2017) <sup>322</sup> and Sector deal (2018) <sup>323</sup>	x	x	x
	Industrial Strategy 2017 <sup>324</sup>	x	x	x
	Seed Enterprise Investment Scheme <sup>325</sup> Tax Incentive Scheme	x		

# Good practices

- **Guiding innovation dynamics** - practices that enable digital innovation to exist. They support the general innovation environment
- **Building innovation capacity** – practices that enable a sufficiently well-developed infrastructure and talent pool with access to resources in the ecosystem to solve problems in their community. They equip innovators with the right tools, skills, spaces and resources to succeed
- **Integrating ICT innovation into key sectors** - practices that help to integrate ICT innovation across sectors for start-ups and SMEs to realize their full potential and scale up beyond their niche, enabling transformation across other industries

# Good practices

- Be-Code **Belgium**
- Challenge Driven Innovation Programme **Sweden**
- De-Hub Digital Hub Initiative **Germany**
- Innovation and Technology Agency **Georgia**
- GovTech Poland/GovTech Centre **Poland**
- Heath Tech Lab **Serbia**
- Icelandic Startups **Iceland**
- Italian Startup Act and Startup Visa **Italy**
- Startup Visa Lithuania **Lithuania**
- Station F **France**
- UK-Albania Tech Hub **Albania**
- UK Fintech Regulatory Sandbox **UK**
- UNDP Accelerator Lab **Serbia**
- Yozma Group **Israel**
- Industry 4.0 Pilot Factories **Austria**

# Ecosystem Canvas - 7 enablers of digital transformation

Vision and strategy

Infrastructure and programmes

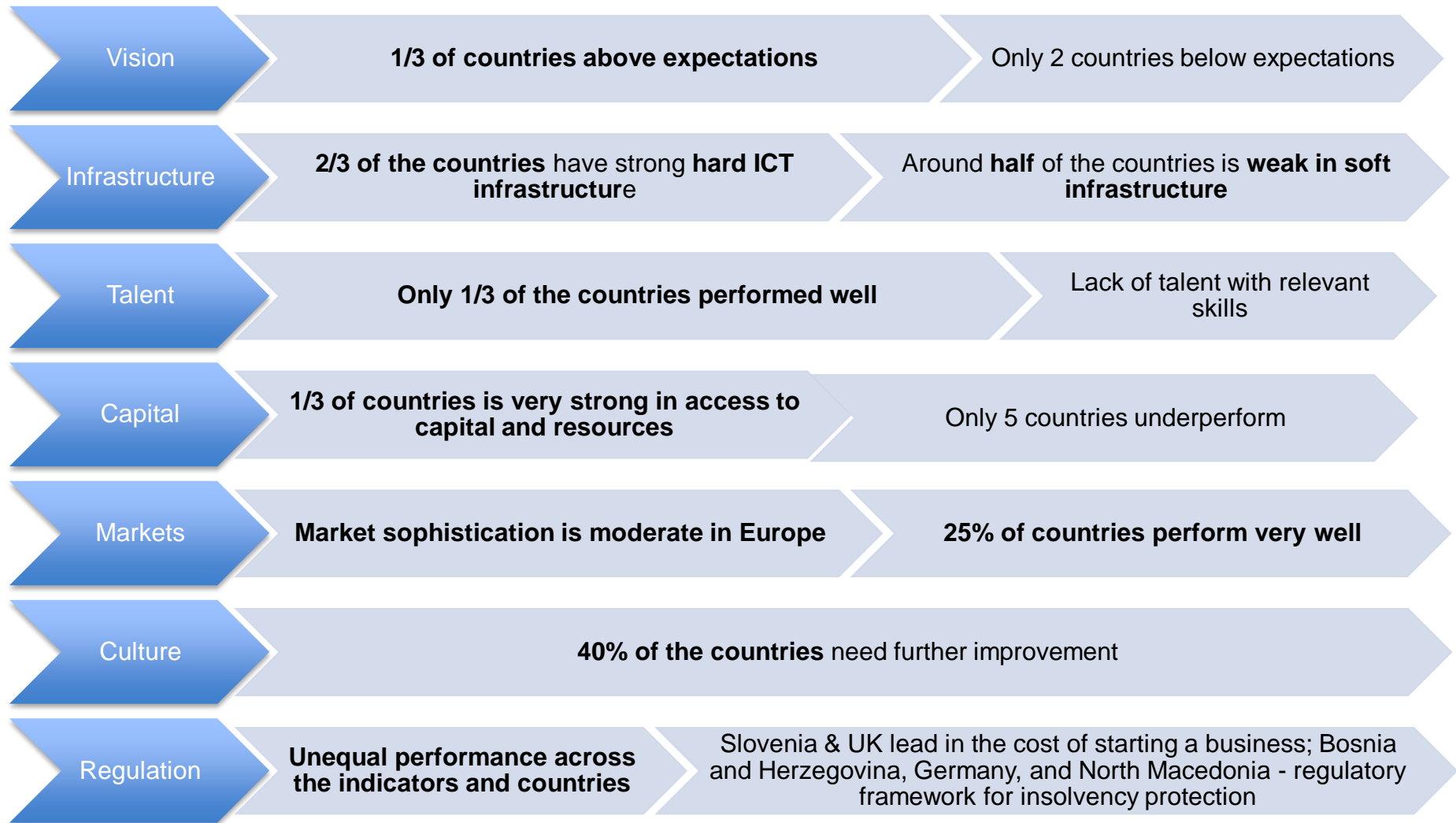
Talent and champions

Capital and resources

Markets and networks

Culture and communities

Regulation and policy



**Thank you**

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