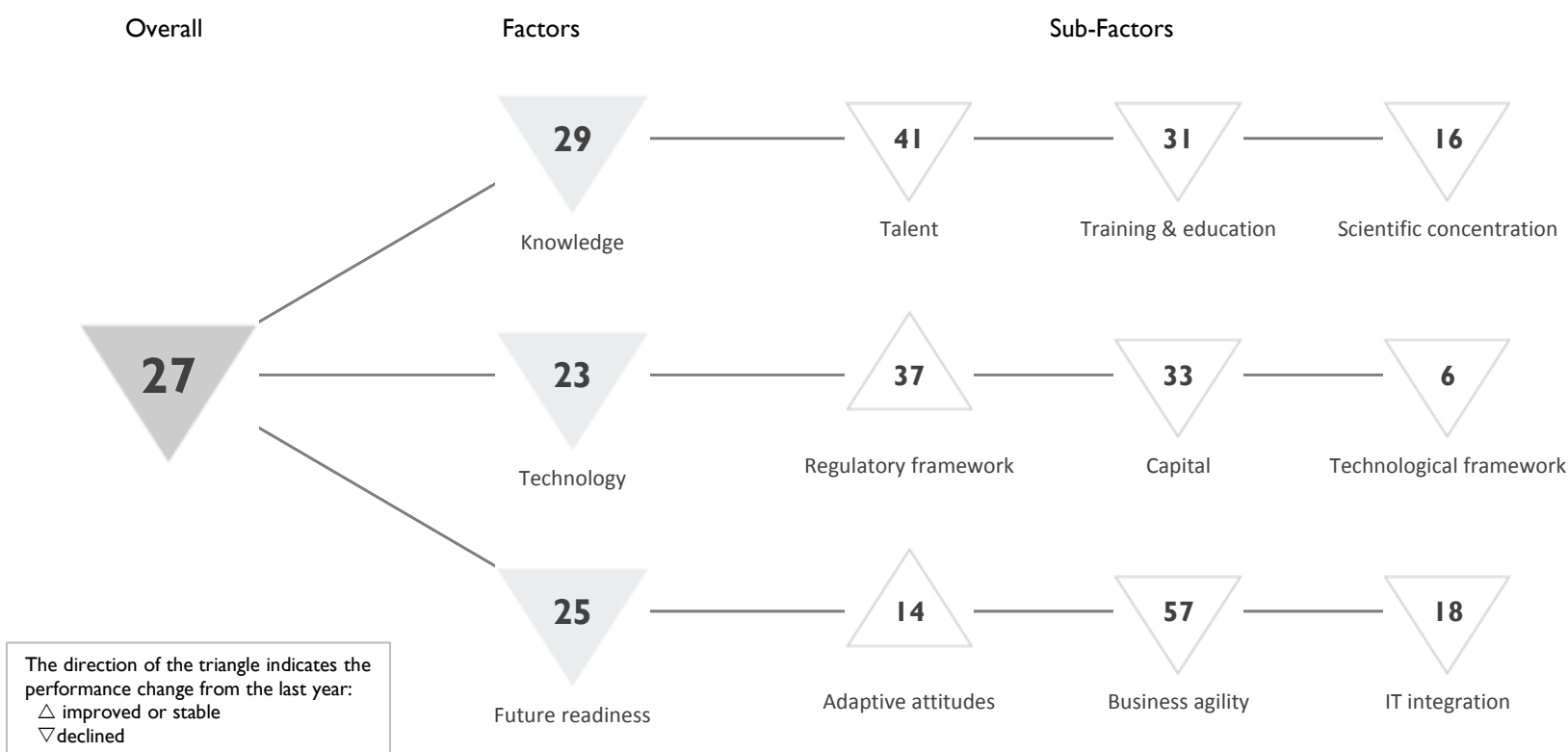


# JAPAN

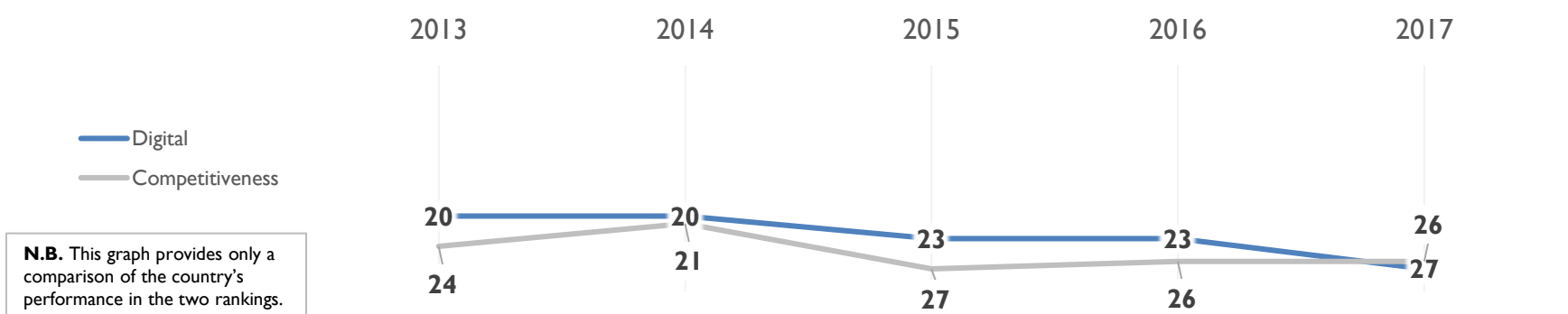
## OVERALL PERFORMANCE (63 countries)



### OVERALL & FACTORS - 5 years

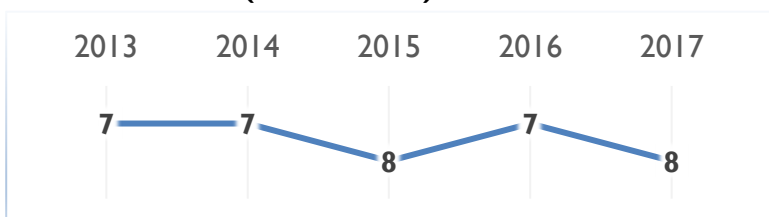
	2013	2014	2015	2016	2017
OVERALL	20	20	23	23	27
Knowledge	23	20	24	23	29
Technology	19	16	21	19	23
Future readiness	20	19	22	23	25

### COMPETITIVENESS & DIGITAL RANKINGS

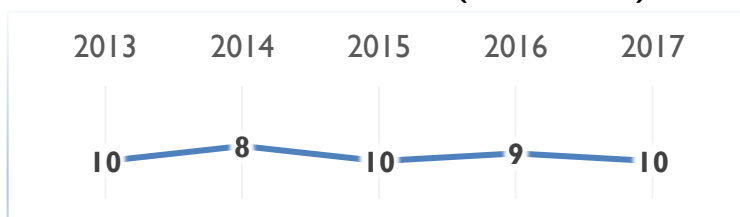


### PEER GROUPS RANKINGS

#### ASIA - PACIFIC (14 countries)



#### POPULATIONS > 20 MILLION (29 countries)



- ▶ Overall top strengths
- ▷ Overall top weaknesses

## KNOWLEDGE

Subfactors	2013	2014	2015	2016	2017
Talent	28	24	31	30	41
Training & education	18	15	27	28	31
Scientific concentration	14	16	14	14	16

Talent		Rank		Training & education		Rank		Scientific concentration		Rank	
Educational assessment PISA - Math	4	Employee training	5	Total expenditure on R&D (%)	3						
▷ International experience	63	Total public expenditure on education	56	Total R&D personnel per capita	17						
Foreign highly-skilled personnel	51	Higher education achievement	5	Female researchers	48						
Management of cities	9	▶ Pupil-teacher ratio (tertiary education)	2	R&D productivity by publication	15						
▷ Digital/Technological skills	59	Graduates in Sciences	32	Scientific and technical employment	35						
Net flow of international students	23	Women with degrees	56	▶ High-tech patent grants	3						

## TECHNOLOGY

Subfactors	2013	2014	2015	2016	2017
Regulatory framework	27	31	39	37	37
Capital	33	27	26	29	33
Technological framework	3	2	3	3	6

Regulatory framework		Rank		Capital		Rank		Technological framework		Rank	
Starting a business	45	IT & media stock market capitalization	12	Communications technology	24						
Enforcing contracts	35	Funding for technological development	32	▶ Mobile Broadband subscribers	1						
Immigration laws	54	Banking and financial services	39	Wireless broadband	4						
Technological regulation	35	Investment risk	28	Internet users	5						
Scientific research legislation	30	Venture capital	37	Internet bandwidth speed	9						
Intellectual property rights	22	Investment in Telecommunications	47	High-tech exports (%)	18						

## FUTURE READINESS

Subfactors	2013	2014	2015	2016	2017
Adaptive attitudes	13	16	13	15	14
Business agility	30	33	35	33	57
IT integration	21	14	10	15	18

Adaptive attitudes		Rank		Business agility		Rank		IT integration		Rank	
▶ E-Participation	2	▷ Opportunities and threats	60	E-Government	11						
Internet retailing	11	Innovative firms	28	Public-private partnerships	36						
Tablet possession	21	▷ Agility of companies	63	Cyber security	31						
Smartphone possession	22	▷ Use of big data and analytics	59	▶ Software piracy	2						
Attitudes toward globalization	33	Knowledge transfer	29								