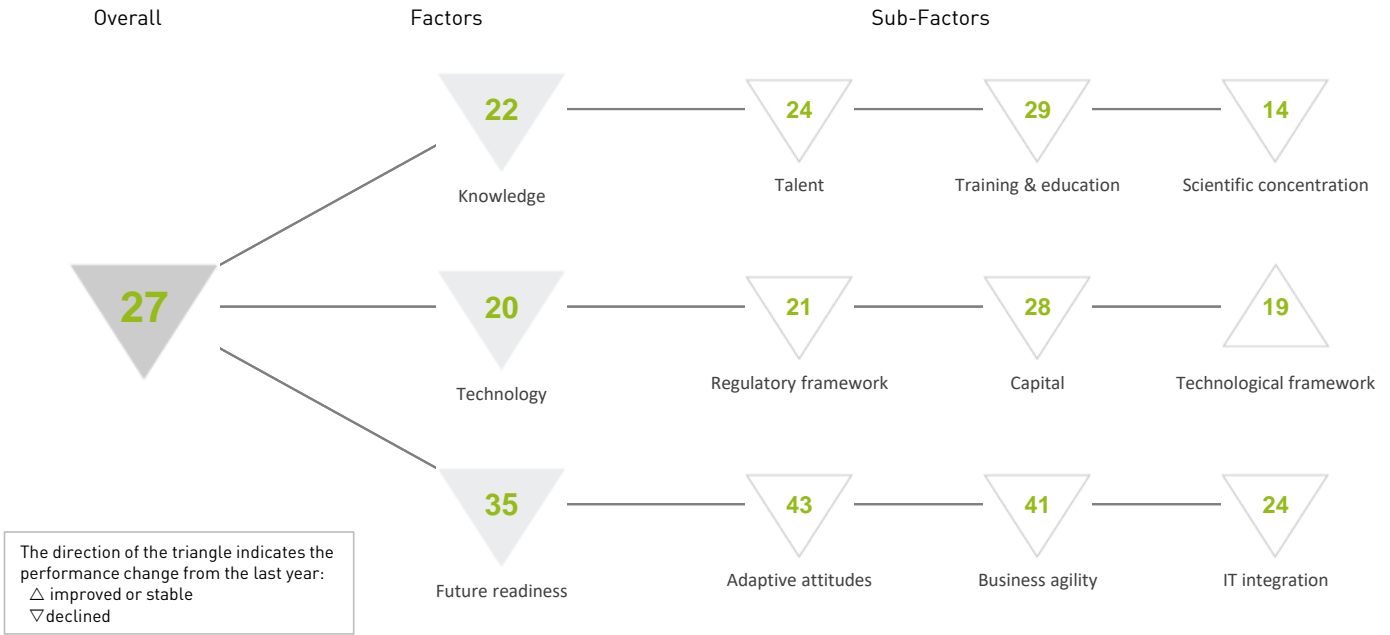


# FRANCE

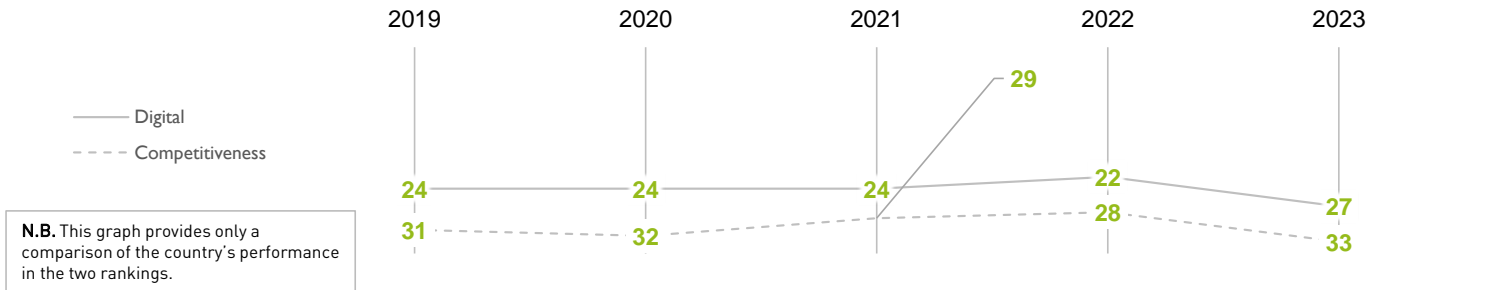
## OVERALL PERFORMANCE (64 countries)



## OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	24	24	24	22	27
Knowledge	20	20	20	20	22
Technology	16	15	16	16	20
Future readiness	29	31	31	34	35

## COMPETITIVENESS & DIGITAL RANKINGS



## PEER GROUPS RANKINGS

### EUROPE - MIDDLE EAST - AFRICA (41 countries)



### POPULATIONS > 20 MILLION (27 countries)



## FRANCE

► Overall Top Strengths

▷ Overall Top Weaknesses

## KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	24	25	23	23	24
Training & education	28	36	27	27	29
Scientific concentration	12	13	12	13	14

Talent	Rank
Educational assessment PISA - Math	24
International experience	33
Foreign highly skilled personnel	22
Management of cities	26
Digital/Technological skills	31
Net flow of international students	20

Training & education	Rank
Employee training	36
Total public expenditure on education	24
Higher education achievement	23
Pupil-teacher ratio (tertiary education)	39
Graduates in Sciences	23
Women with degrees	30

Scientific concentration	Rank
Total expenditure on R&D (%)	17
Total R&D personnel per capita	21
▷ Female researchers	49
R&D productivity by publication	17
Scientific and technical employment	17
High-tech patent grants	15
▶ Robots in Education and R&D	05

## TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	08	09	10	15	21
Capital	18	20	21	19	28
Technological framework	22	19	17	20	19

Regulatory framework	Rank
Starting a business	21
▶ Enforcing contracts	15
Immigration laws	25
Development & application of tech.	38
Scientific research legislation	25
▶ Intellectual property rights	13

Capital	Rank
IT & media stock market capitalization	32
Funding for technological development	29
Banking and financial services	47
Country credit rating	16
Venture capital	27
Investment in Telecommunications	20

Technological framework	Rank
Communications technology	17
Mobile broadband subscribers	31
Wireless broadband	38
Internet users	28
▶ Internet bandwidth speed	06
High-tech exports (%)	17

## FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	36	36	48	41	43
Business agility	39	36	33	38	41
IT integration	19	21	22	21	24

Adaptive attitudes	Rank
E-Participation	34
Internet retailing	23
Tablet possession	25
Smartphone possession	25
▷ Attitudes toward globalization	64

Business agility	Rank
▷ Opportunities and threats	55
▶ World robots distribution	08
▷ Agility of companies	50
▷ Use of big data and analytics	47
Knowledge transfer	33
Entrepreneurial fear of failure	23

IT integration	Rank
E-Government	18
Public-private partnerships	35
Cyber security	27
Software piracy	20
Government cyber security capacity	21
Privacy protection by law content	30