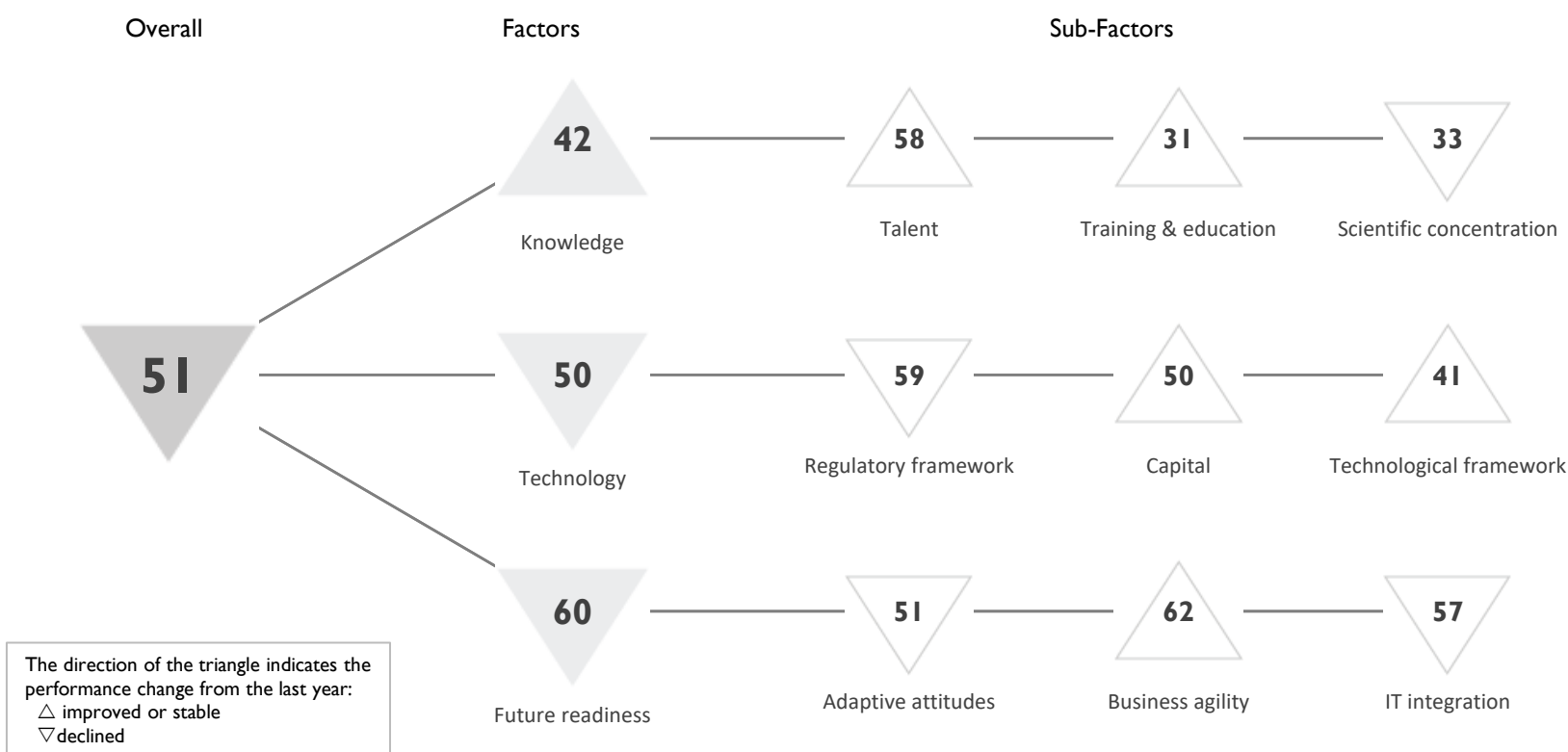


CROATIA

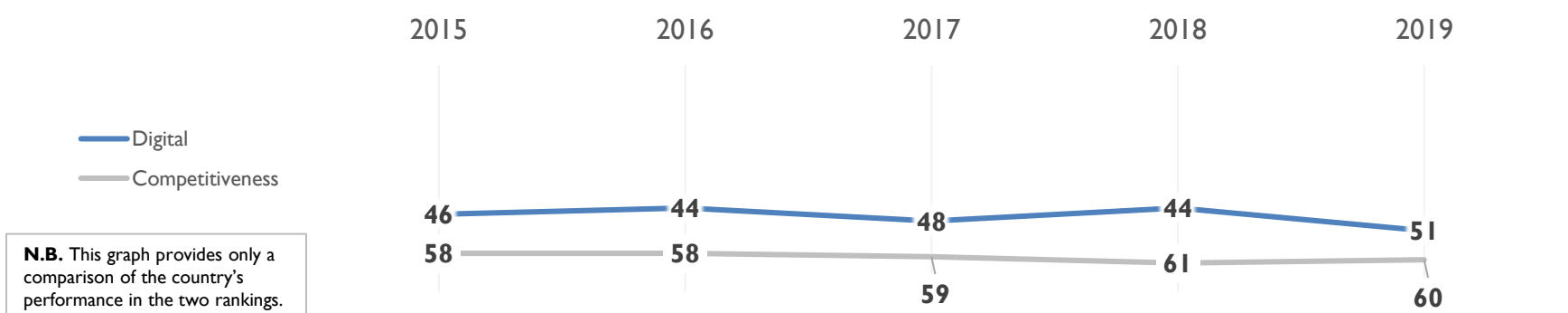
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

| | 2015 | 2016 | 2017 | 2018 | 2019 |
|------------------|------|------|------|------|------|
| OVERALL | 46 | 44 | 48 | 44 | 51 |
| Knowledge | 46 | 45 | 50 | 43 | 42 |
| Technology | 41 | 43 | 47 | 49 | 50 |
| Future readiness | 52 | 50 | 56 | 54 | 60 |

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (34 countries)



► Overall top strengths

▷ Overall top weaknesses

KNOWLEDGE

| Subfactors | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------------------|------|------|------|------|------|
| Talent | 57 | 56 | 59 | 59 | 58 |
| Training & education | 39 | 37 | 41 | 36 | 31 |
| Scientific concentration | 35 | 36 | 35 | 32 | 33 |

| Talent | Rank | Training & education | Rank | Scientific concentration | Rank |
|------------------------------------|------|--|------|-------------------------------------|------|
| Educational assessment PISA - Math | 38 | Employee training | 63 | Total expenditure on R&D (%) | 42 |
| ▷ International experience | 62 | Total public expenditure on education | 29 | Total R&D personnel per capita | 38 |
| ▷ Foreign highly-skilled personnel | 62 | Higher education achievement | 43 | ▶ Female researchers | 11 |
| Management of cities | 58 | ▶ Pupil-teacher ratio (tertiary education) | 8 | R&D productivity by publication | 48 |
| Digital/Technological skills | 57 | Graduates in Sciences | 23 | Scientific and technical employment | 27 |
| Net flow of international students | 55 | ▶ Women with degrees | 5 | ▶ High-tech patent grants | 9 |
| | | | | Robots in Education and R&D | 40 |

TECHNOLOGY

| Subfactors | 2015 | 2016 | 2017 | 2018 | 2019 |
|-------------------------|------|------|------|------|------|
| Regulatory framework | 47 | 47 | 52 | 55 | 59 |
| Capital | 42 | 48 | 52 | 52 | 50 |
| Technological framework | 39 | 40 | 40 | 43 | 41 |

| Regulatory framework | Rank | Capital | Rank | Technological framework | Rank |
|--|------|--|------|------------------------------|------|
| Starting a business | 53 | IT & media stock market capitalization | - | Communications technology | 49 |
| Enforcing contracts | 23 | Funding for technological development | 57 | Mobile Broadband subscribers | 25 |
| ▷ Immigration laws | 63 | Banking and financial services | 55 | Wireless broadband | 44 |
| ▷ Development and application of techn | 62 | Country credit rating | 54 | Internet users | 37 |
| Scientific research legislation | 59 | Venture capital | 57 | Internet bandwidth speed | 44 |
| Intellectual property rights | 60 | ▶ Investment in Telecommunications | 4 | High-tech exports (%) | 46 |

FUTURE READINESS

| Subfactors | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------------|------|------|------|------|------|
| Adaptive attitudes | 54 | 54 | 43 | 37 | 51 |
| Business agility | 50 | 45 | 62 | 63 | 62 |
| IT integration | 44 | 46 | 46 | 49 | 57 |

| Adaptive attitudes | Rank | Business agility | Rank | IT integration | Rank |
|--------------------------------|------|-------------------------------|------|-----------------------------|------|
| E-Participation | 46 | Opportunities and threats | 62 | E-Government | 46 |
| Internet retailing | 44 | World robots distribution | 48 | Public-private partnerships | 61 |
| Tablet possession | 35 | Agility of companies | 62 | Cyber security | 56 |
| Smartphone possession | 35 | Use of big data and analytics | 61 | Software piracy | 43 |
| Attitudes toward globalization | 62 | Knowledge transfer | 61 | | |