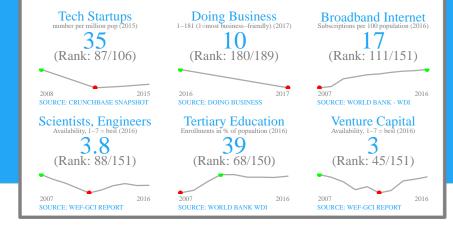
## Digital Entrepreneurship 360

# Macedonia, YR



## POLICY Laws, regulations, and government initiatives

#### **GOVERNMENT INDEXES**



SOURCE: GLOBAL INFORMATION TECH. REPORT; WDI

#### **INVESTMENT FRIENDLINESS**

| Time needed to setup a foreign business number of days (2012)  | 8   | (Rank: 80/87)  |
|--|-----|----------------|
| FDI Regulation Index (aggrega<br>across telecoms, media, electric<br>100=full ownership allowed (2012) | 100 | (Rank: 37/84)  |
| Procedures to set up a foreign business number of procedures (2012)                                    | 6   | (Rank: 75/87)  |
| Efficiency of legal framework i settling disputes  | 3.4 | (Rank: 90/151) |

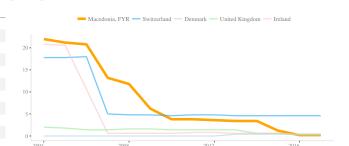
SOURCE: INVESTING ACROSS BORDERS; WDI

#### **DOING BUSINESS 2017**

|                                   |       | DTF   |        |      | Rank |        |
|-----------------------------------|-------|-------|--------|------|------|--------|
|                                   | 2016  | 2017  | Change | 2016 | 2017 | Change |
| Ease of doing business index      | 79.19 | 81.74 | 2.55   | 16   | 10   | 6      |
| Dealing with Construction Permits | 81.34 | 81.71 | 0.37   | 12   | 11   | 1      |
| Enforcing Contracts               | 70.46 | 67.79 | -2.67  | 27   | 36   | -9     |
| Getting Credit                    | 65    | 80    | 15     | 42   | 16   | 26     |
| Getting Electricity               | 81.33 | 84.51 | 3.18   | 44   | 29   | 15     |
| Paying Taxes                      | 91.67 | 91.67 | 0      | 8    | 9    | -1     |
| Protecting Minority Investors     | 68.33 | 73.33 | 5      | 22   | 13   | 9      |
| Registering Property              | 74.02 | 74.05 | 0.03   | 48   | 48   | 0      |
| Resolving Insolvency              | 44.6  | 47.4  | 2.8    | 39   | 32   | 7      |
| Starting a Business               | 98.14 | 98.14 | 0      | 3    | 4    | -1     |
| Trading Across Borders            | 93.87 | 93.87 | 0      | 27   | 27   | 0      |

SOURCE: DOING BUSINESS

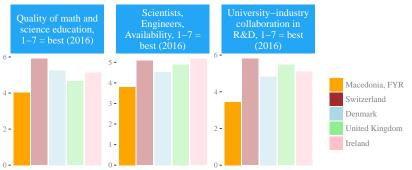
## COST OF BUSINESS STARTUP PROCEDURES, % of GNI per capita



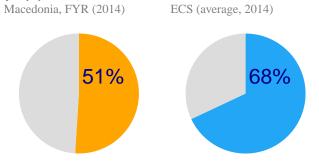
SOURCE: WORLD BANK WDI

### HUMAN CAPITAL State of educational institutions and access to skilled labor

AVAILABILITY OF SKILLED LABOR AND EDUCATION (1-7, 7 = best)



POPULATION EMPLOYED IN SERVICES SECTOR (% total employed population)



SOURCE: WEF-GCI REPORT SOURCE: WORLD BANK WDI

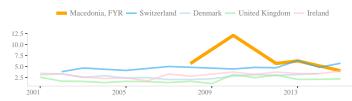
## FINANCING Sources of capital available for digital entrepreneurs, including debt, equity, grants, blended financing, etc

FDI, PUBLIC CAPITAL MARKET AND VENTURE CAPITAL



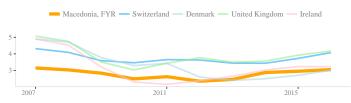
SOURCE: WEF-GCI REPORT; WORLD BANK - WDI

#### INFORMAL INVESTORS RATE (% of 18-64 population)



SOURCE: GLOBAL ENTREPRENEURSHIP MONITOR - ADULT POPULATION

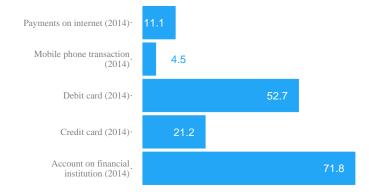
#### VENTURE CAPITAL AVAILABILITY (1-7, best)



SOURCE: WEF-GCI REPORT

## MARKETS Existence of early customers and distribution channels

#### FINANCIAL INCLUSION (% age 15+)



SOURCE: WORLD BANK - FINDEX

#### DIGITAL COMMERCE & INTERNET ACCESS

| New business density new registrations per 1,000 people ages 15–64 (2009)  | 6.6  | (Rank: 20/137) |
|--|------|----------------|
| Ratio of online/in store purchases Percentage (2016)                       |      | (Rank: /54)    |
| Firms using email to interact with clients/suppliers (%) % of firms (2010) | 87.9 | (Rank: 36/146) |
| Firms with their own Website % of firms (2014)                             | 58.7 | (Rank: 32/143) |
| ICT service exports % of service exports, BoP (2014)                       | 22.3 | (Rank: 56/178) |

SOURCE: ES; WEF-GCI REPORT; WDI; CONSUMER BAROMETER

## CULTURE Societal attitudes toward entrepreneurship

|  | Avg 2003-2011 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2011 2016 |
|--|---------------|------|------|------|------|------|------|-----------|
| Company spending on R&D, 1-7 = best                                  | 2.6           | 2.6  | 2.5  | 2.9  | 3.1  | 3.3  | 3.4  |           |
| Listed domestic companies, total, Number                             | 49.3          | 32.0 | 32.0 | NA   | NA   | NA   | _    | <u> </u>  |
| Perceived Capabilities, % of 18-64 population                        | 61.0          | NA   | 55.1 | 49.7 | NA   | 54.4 | _    |           |
| Fear of Failure Rate, % of 18-64 population                          | 32.1          | NA   | 39.4 | 35.6 | NA   | 34.3 | _    |           |
| Tech Startups, number per million pop                                | 46.4          | NA   | 31.3 | 32.9 | NA   | 35.2 | _    |           |
| High Status Successful Entrepreneurship, % of 18-64 population       | 69.1          | NA   | 66.7 | 67.9 | NA   | 57.1 | _    |           |
| Media Attention for Entrepreneurship, % of 18-64 population          | 61.1          | NA   | 64.1 | 66.8 | NA   | 71.1 | _    |           |
| Total early-stage Entrepr. Activity (TEA), % of 18-64 population     | 11.2          | NA   | 7.0  | 6.6  | NA   | 6.1  | _    |           |
| Improvement-Driven Opp. Entrepr. Activity: Rel. Prevalence, % of TEA | 18.0          | NA   | 28.7 | 22.9 | NA   | 26.7 | _    |           |
| New Product early-stage Entrepr. Activity, % of TEA                  | 33.2          | NA   | 38.3 | 26.2 | NA   | 35.4 | _    |           |

SOURCE: ES; WEF-GCI REPORT; WDI; CONSUMER BAROMETER

## **SUPPORTS** Infrastructure and support services available through incubators, accelerators and other NGOs

|  | Avg 2003-2011 | 2011 | 2012  | 2013 | 2014 | 2015 | 2016 | 2011 2016 |
|--|---------------|------|-------|------|------|------|------|-----------|
| % firms identifying transportation as major constraint, % of firms         | NaN           | NA   | NA    | 5.4  | NA   | NA   | _    | •         |
| % of firms with an annual fin. Statem. reviewed by ext. audit., % of firms | NaN           | NA   | NA    | 16.4 | NA   | NA   | _    | •         |
| Quality of electricity supply, 1-7 = best                                  | 4.5           | 5.0  | 5.0   | 4.9  | 5.0  | 4.8  | 4.9  |           |
| Broadband Internet, Subscriptions per 100 population                       | 6.8           | 12.5 | 13.2  | 14.6 | 15.7 | 16.2 | 17.2 |           |
| Internet bandwidth, kb/s/capita  | 10.8          | 10.8 | 17.9  | 31.4 | 36.5 | 41.8 | 53.9 | •         |
| Access to electricity, % population  | 99.0          | NA   | 100.0 | NA   | NA   | NA   | _    | •         |
| ICT goods imports, % total goods imports                                   | 4.5           | 3.7  | 4.0   | 4.0  | 3.9  | NA   | _    |           |
| Internet users, per 100 population   | 37.9          | 56.7 | 57.5  | 65.2 | 68.1 | 70.4 | _    |           |

SOURCE: ES; WEF-GCI REPORT; WORLD BANK - WDI

