

Innovation and lifelong learning

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Innovation

Innovation is „a new significantly improved product (good or service), or process, a new marketing method, or a new organizational method, business practice workplace organization or external relation.”

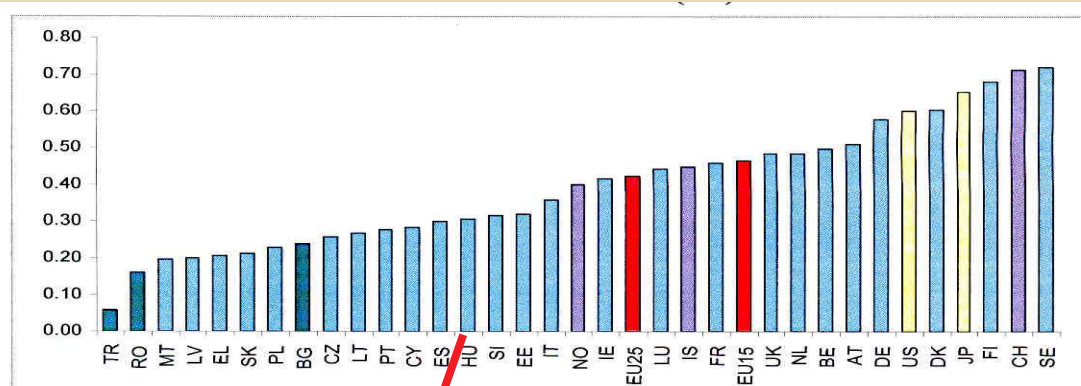
Oslo manual

Invention and innovation: „invention is the first occurrence of an idea for a new product or process, while innovation is the first attempt to carry it out in practice.”

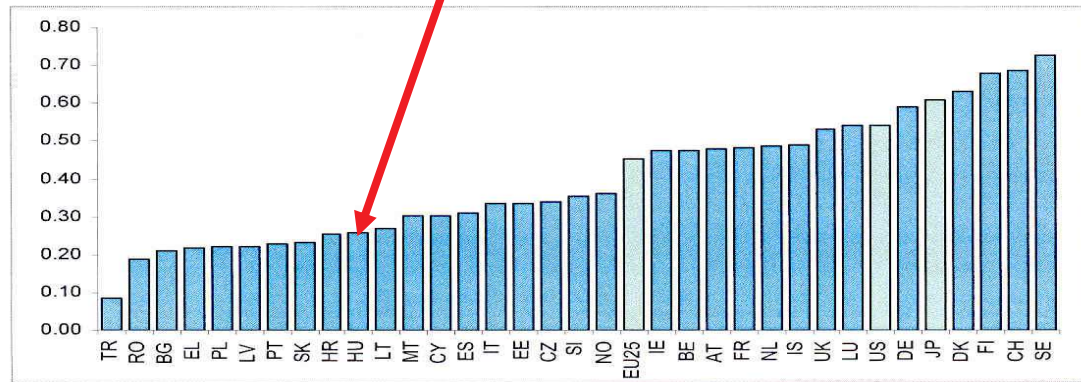
**Oxford Handbook of Innovation, Oxford University Press
(2004)**

Status of Hungarian innovation system

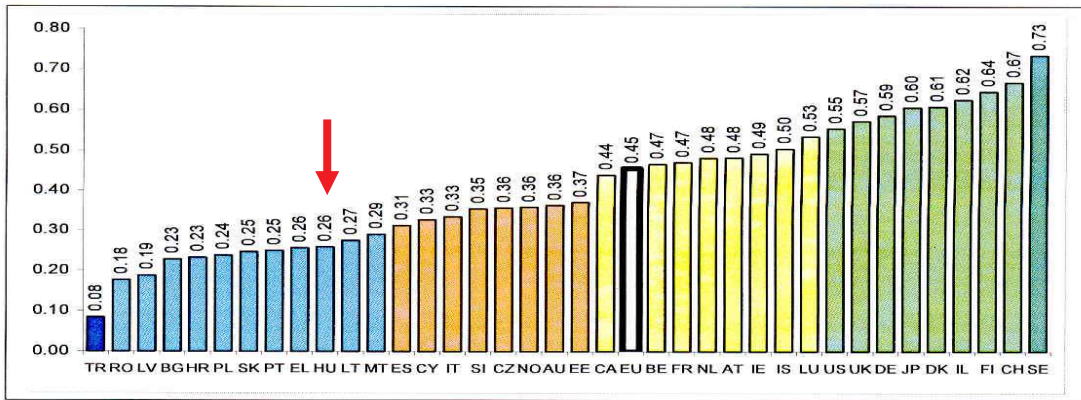
European Innovation Scoreboard



2005

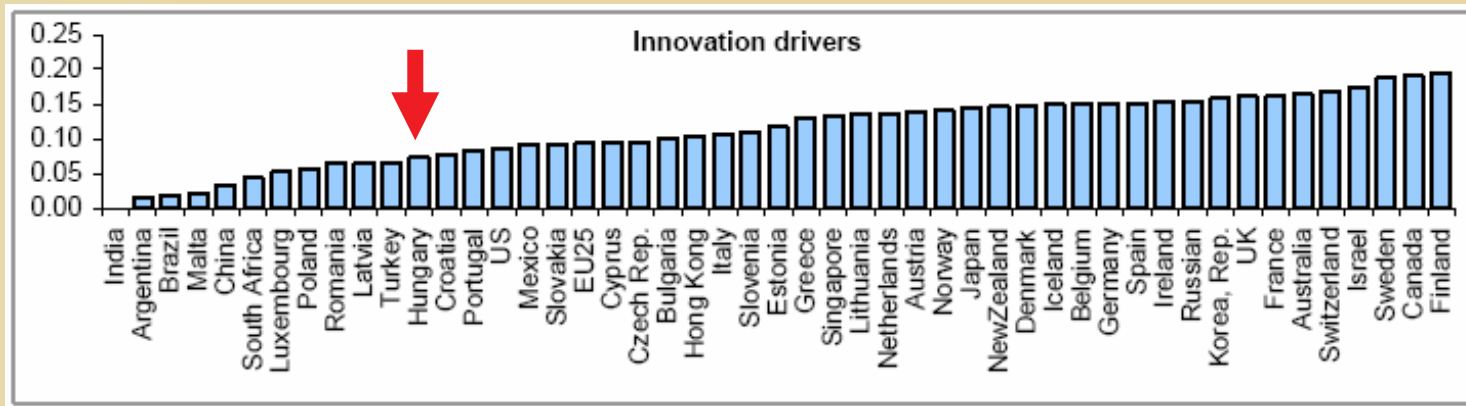


2006



2007

European Innovation Scoreboard



S & E degree/1000 pop. (20-29 yr)

HE degree/100 pop. (25-64 yr)

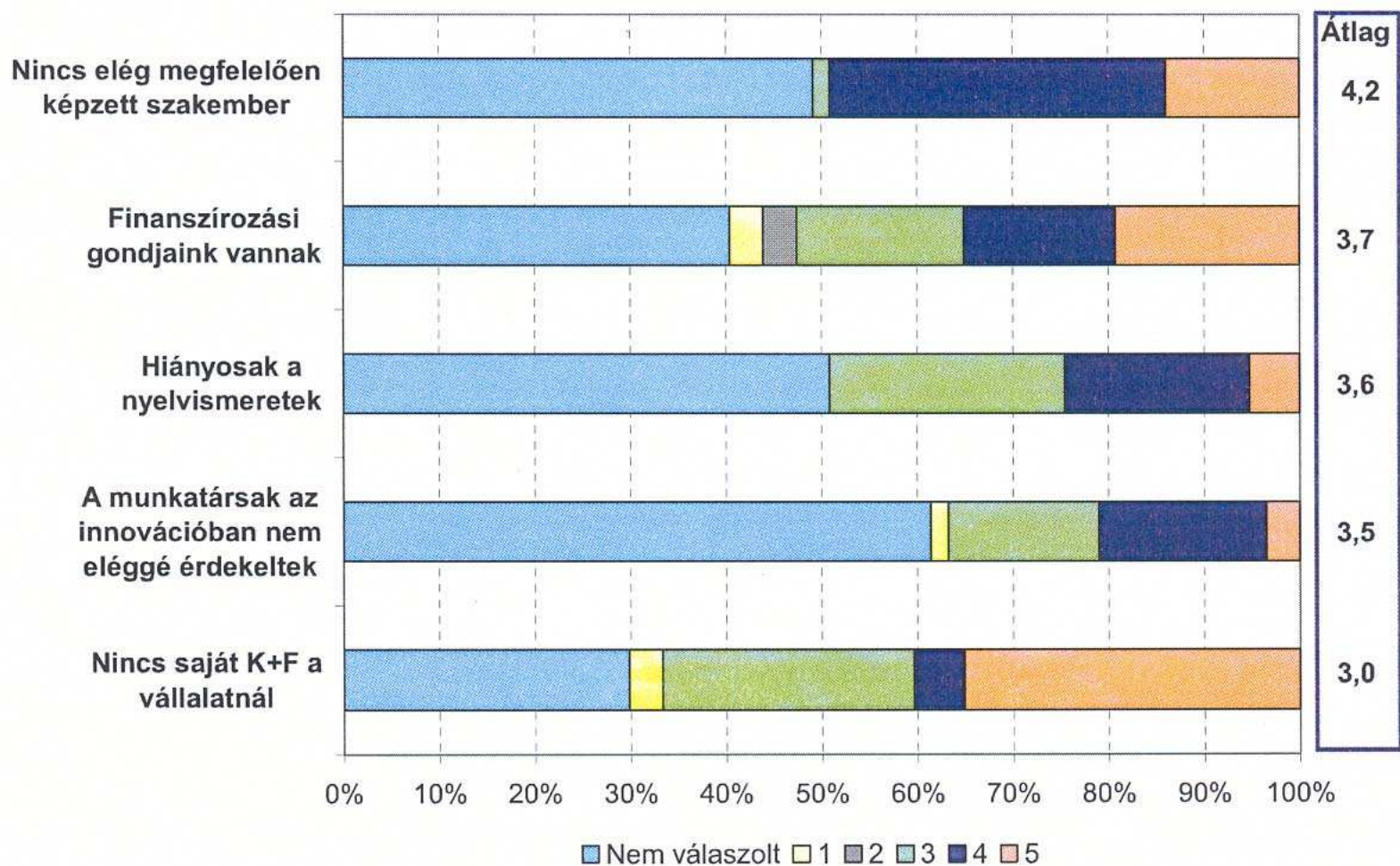
Broadband penetration (lines/100 pop.)

LLL participation/100 pop. (25-64 yr)

Youth education attainment (at least upper secondary)

Company survey (GKI, 2007)

Az innováció szűk keresztmetszetei a saját vállalatnál
(a válaszok százalékos megoszlása és átlaga)



Megjegyzés: A válaszadók az innováció szűk keresztmetszetét 1-től 5-ig terjedő skálán értékelték (1: nem fontos; 5: nagyon fontos)

Forrás: GKI innovatív vállalati panelvizsgálat 2007

Learning and labour market in Hungary

Relative earnings by level of education below upper secondary/tertiary (%)

USA **65/172**

Finland **94/149**

Hungary **73/217**

Source: Education at a Glance, 2007

The keys for innovation

The ideal mix of talent and entrepreneurship

Risk tolerance

Entrepreneur friendly environment (legal, social)

Talent in SME environment

„Household“-style management vs. responsibility

(lack of) networking

The 8 key competencies for LLL*

Communication in mother tongue

Communication in foreign languages

Math and competence and basic competences in S&T

Digital competence

Learning to learn

Social and civic competences

Sense of initiative and entrepreneurship

Cultural awareness and expression

***Recommendation of European Parliament 2006**

LLL and innovation

Individual learning patterns

On the job training (learning by doing)

Multidisciplinary approaches

Evidence based policy and practice