

Internet Does Change Everything

Visions of the future of our societies

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Contents

- Internet and ICT in general is one of the main **transformative** powers that are reshaping the world today.
- In this new world, the Reflection Group's message to European leaders was "**reform or decline**".
- The reform means (among many other things) that we must reshape entire society so that it can take advantage of the new ICTs, like it was the best in taking advantage of the paper and press technology 500 years back.

ABCDE of grand transformations

- **a**utomation and **a**bundance
- **B**RICs and globalization
- **c**limate change and energy
- **d**emography
- **e**-everything



**CHANGE
AHEAD**



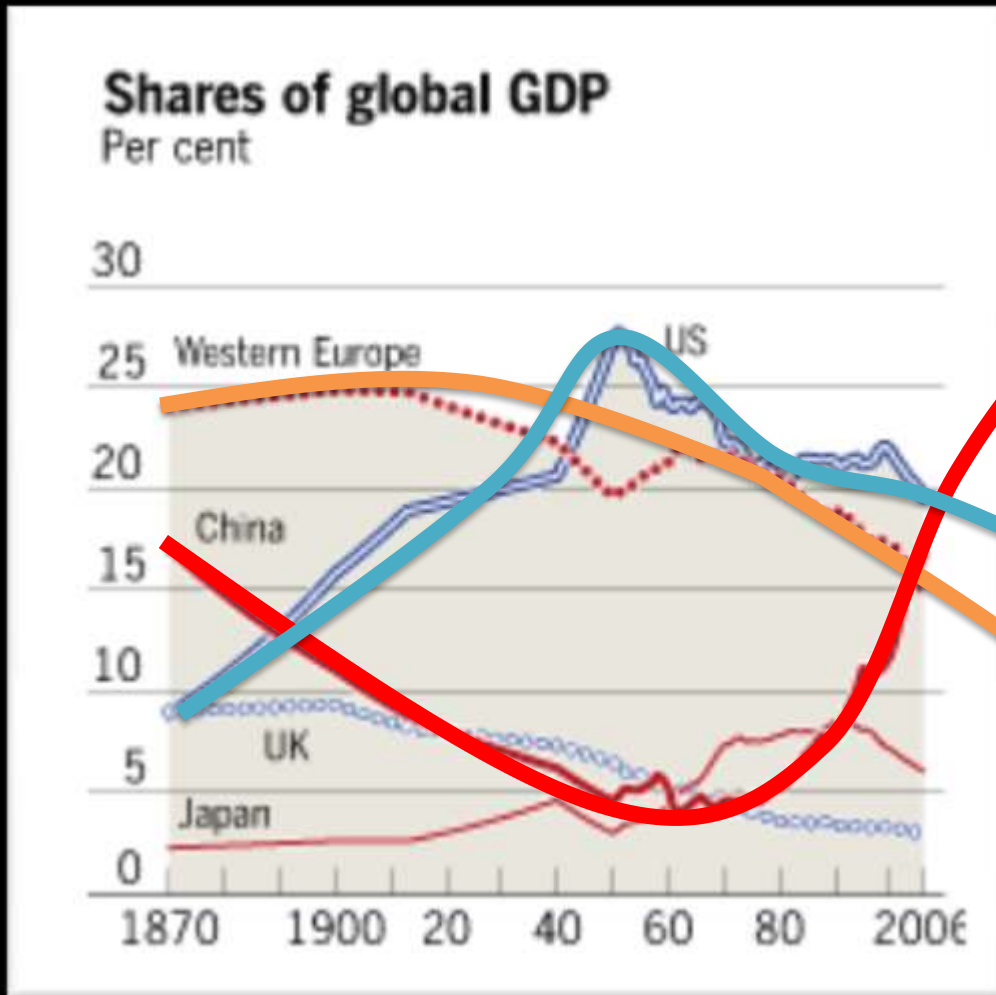
Automation



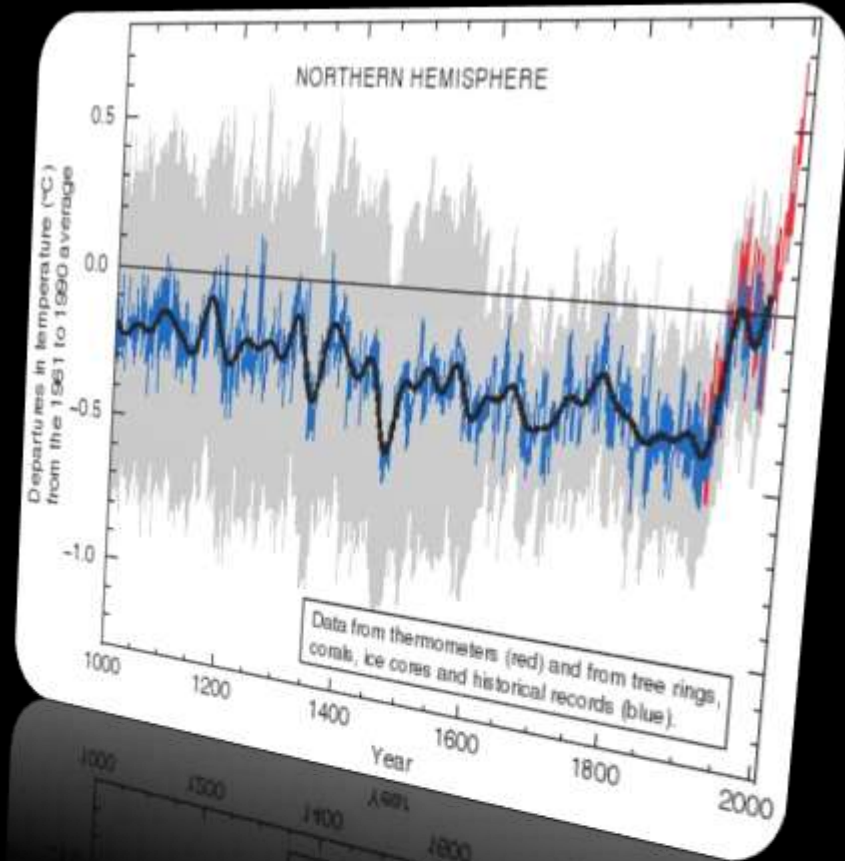
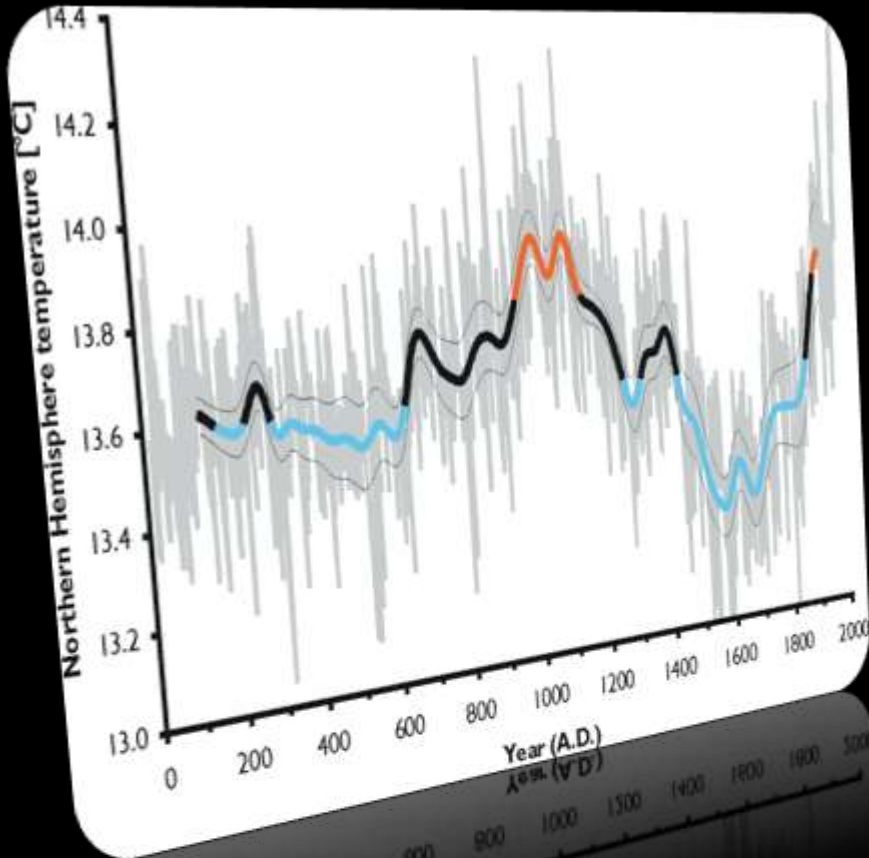


Abundance

ABCDE: GDP Trends



ABCDE: Climate change and energy

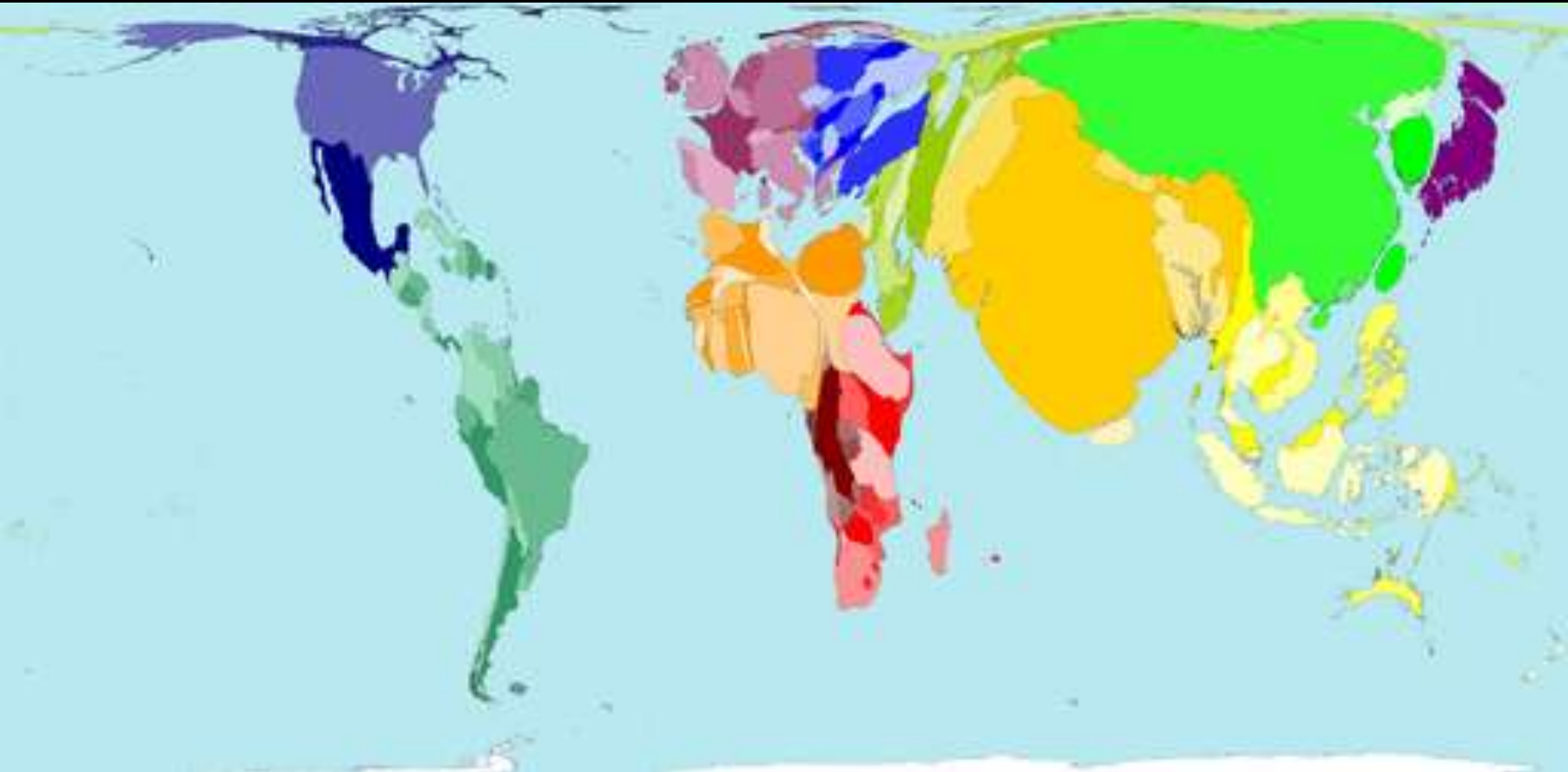


D

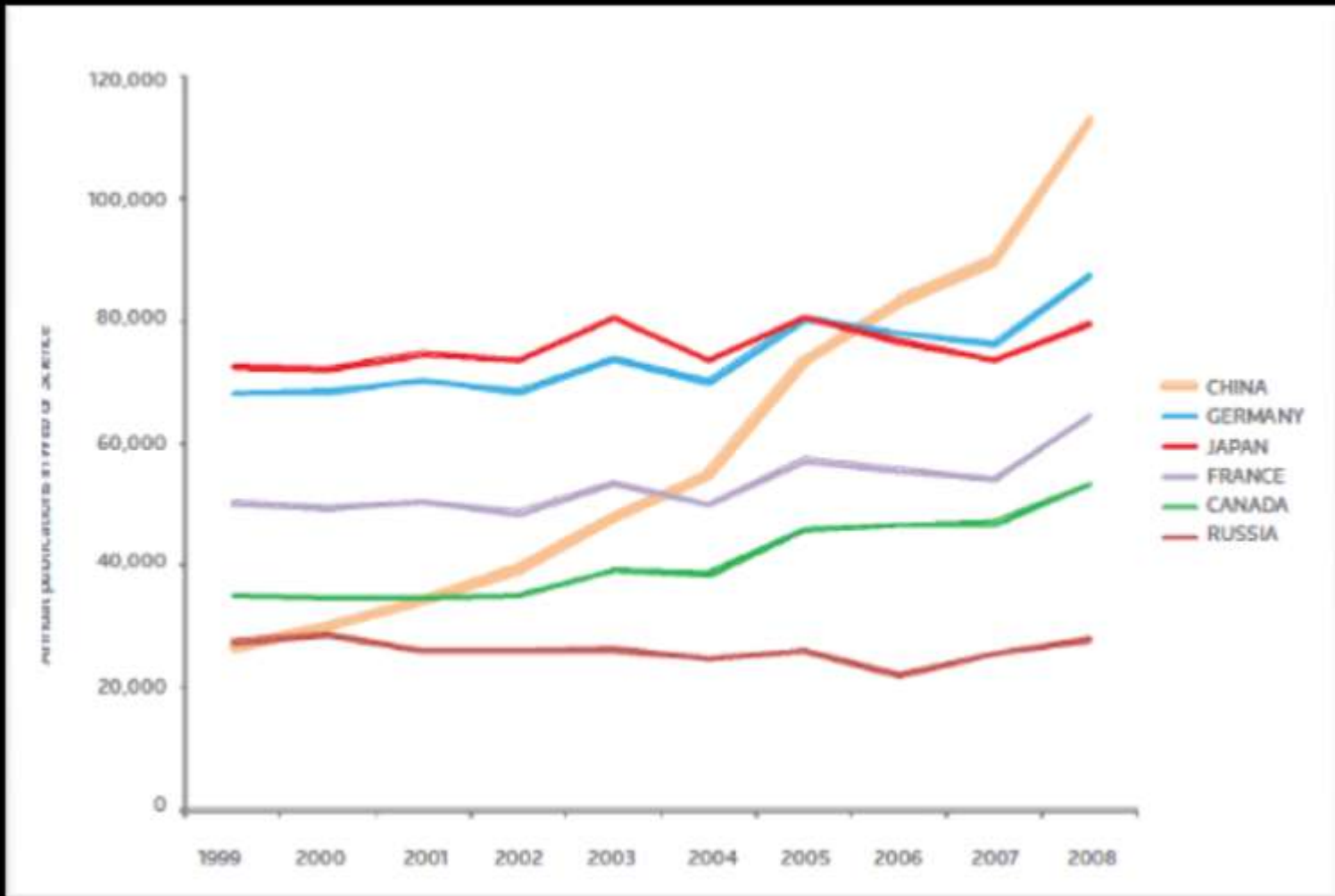
“In the creative knowledge economy of the future, human talent is the ultimate economic resource”

Richard Florida

World map distorted to global ~~population~~ talent



Global Share of Scientific Papers

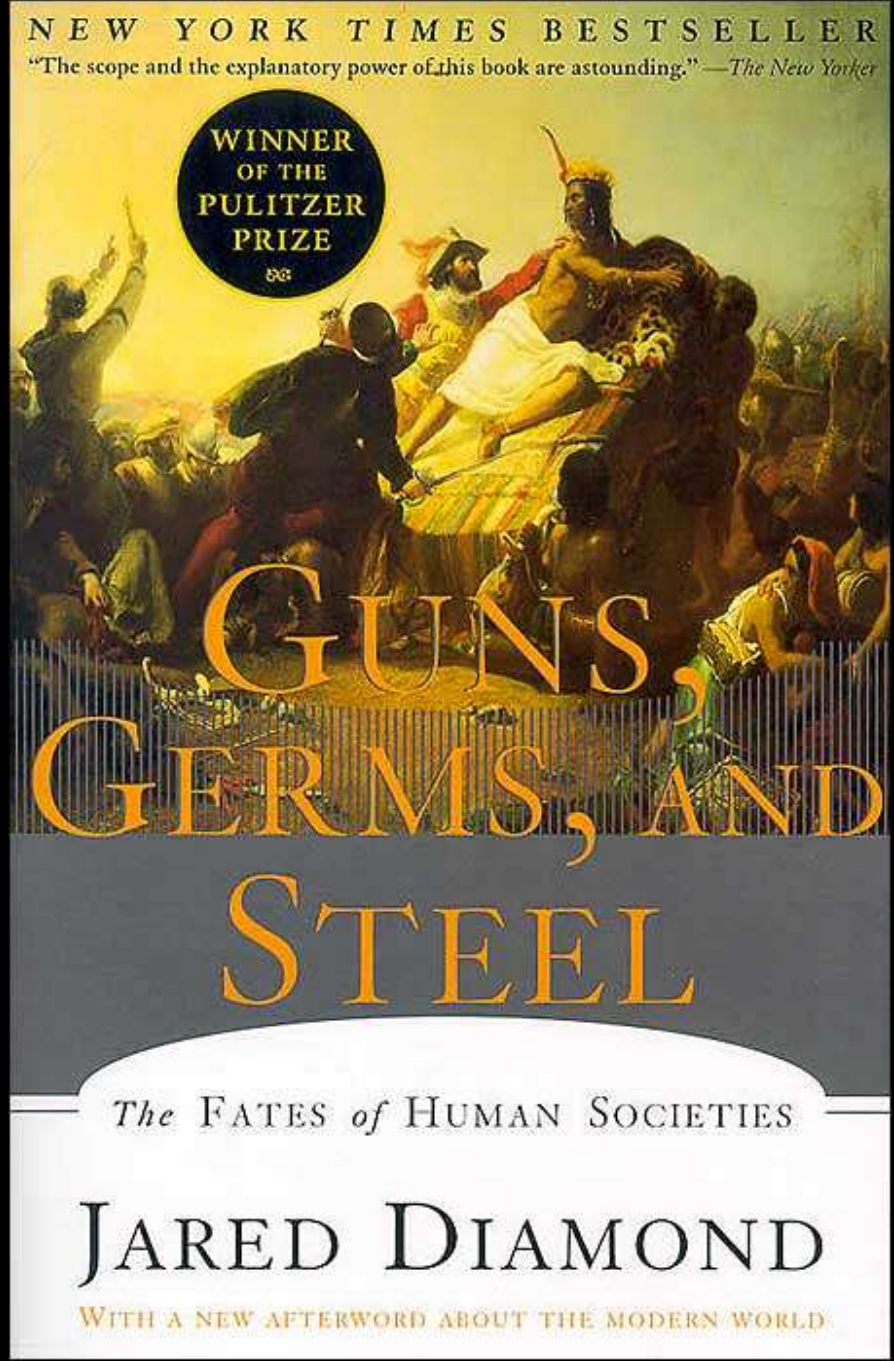




ABCDE: eCommunication

“E” is the most powerful driver!

Why some
civilizations
succeed and some
fail?



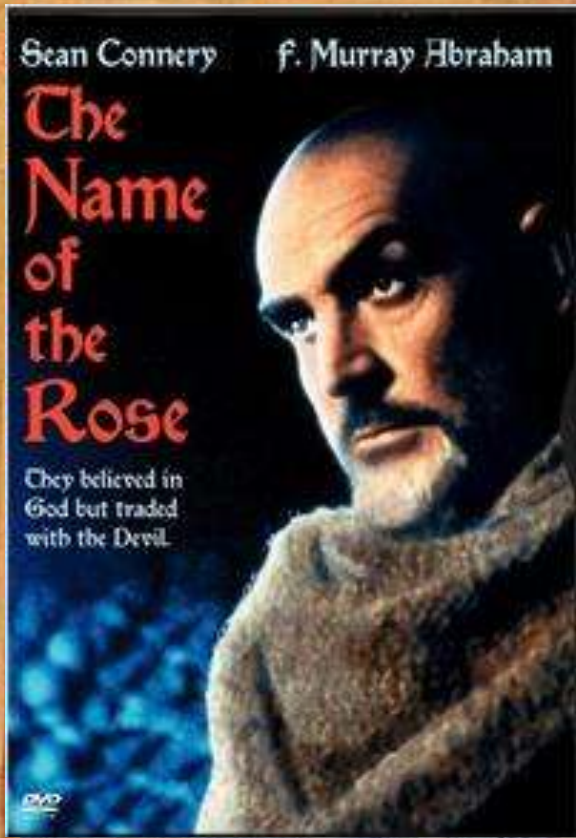


Because in the fertile crescent there were most available plants and animals for domestication!

But this was 10.000 years ago!

- By the middle ages most of Eurasia had access to these plants and animals!
- Why after the middle ages a few countries in Europe took the lead?

Because ~~internet~~ communication changes everything!



Sequitur septem psalmi penitentiales.
Antiphona, *De remissione peccatis.* Psalmus.

Domine ne in furore tuo arguas me: ne
quod in ira tua corripas me. Misere mei
domine quoniam infirmus sum sana me
domine ne in conturbata furore mea.

Form parchment available to few ...



... to cheap paper, available for anything!

So paper and print technology changed everything!

- in Europe.
- not in China, India, Persia, Arab world!
- Luther/Gutenberg's Europe embraced paper!

古今佛道論衡實錄序

唐釋

若夫無上佛覺迥出龍樊超
四流而稱聖故使撰封所漸
聲教所覃沐道霑於八部所
閻浮之地心逐覺據焉布華
天人受道龍鬼皈
明之患然夫聖人
之夫故即因而陶
於二篇遂使儒道
登位何由分析殊
詞六十二見各陳

Cheap paper technology actually imported from China



Technology is not enough!

Policies, societies must now
embrace the Communication
revolution

**“Europe
has a
choice:
reform or
decline”**



PROJECT EUROPE 2030

Challenges and Opportunities

A report to the European Council
by the Reflection Group
on the Future of the EU 2030



Europe has choices across ABCDE

A	<ul style="list-style-type: none">• restructure for post industrial society	<ul style="list-style-type: none">• cherish industrial traditions
B	<ul style="list-style-type: none">• agent of change, trend setter, player	<ul style="list-style-type: none">• bunch of passive selfish former superpowers
C	<ul style="list-style-type: none">• build walls for migrants and dams for seas	<ul style="list-style-type: none">• maintain technological and political lead
D	<ul style="list-style-type: none">• family and immigration friendly	<ul style="list-style-type: none">• a continent of grumpy old men (an women)
E	<ul style="list-style-type: none">• embrace digital like we embraced print	<ul style="list-style-type: none">• defend the ways of paper based society

Policy areas in the RG report

1. Renewing Europe's Social and Economic Model
2. The challenge of demography: Ageing, migration and integration
3. Energy security and climate change:
4. Internal and external security: The eternal challenge
5. EU and its citizens
6. Growth Through Knowledge: Empowering the Individual
7. Europe in the world: becoming an assertive player
8. Building on EU's strengths

Social and Economic Model: Complete single market

- “fully functioning Single Market.” A bargain: more single market, less state aid, fewer non-market obstacles in exchange for some “tax coordination” so that social objectives could be pursued.
- Europe wide market beyond coal and steel. (financial) services, digital market, content, knowledge (patent, IPR), healthcare, learning, clean energy technology, new materials ...
- “Single European Defense Market and joint procurement”
- Free global markets that respect intellectual property rights are the essential breeding ground for innovation.

Social and Economic model

- “social security rights should, once and for all, be readily transportable between Member States”
- “develop a common immigration policy with the aim of attracting the most qualified, talented and motivated immigrants”

Growth Through Knowledge: Empowering the Individual

- “Knowledge-based and creative industries and services have expanded significantly over the last two decades, becoming the central pillars for employment and economic dynamism in Europe”
- “Facilitating a culture of risk-taking and entrepreneurship is even more important. Only this will allow the EU to fully reap the rewards of research and experimentation, and with it to create new jobs.”

Digital

- “The EU must strengthen the Single Market against temptations of economic nationalism and complete it to include services, the **digital society** and other sectors, which are likely to become the main drivers of growth and job creation in a market of 500 million users and consumers”.
- “Digitalisation is increasing the scope for outsourcing, and the ICT-revolution may give ample scope for growth in productivity for decades to come.”
- “The availability of multiple entry points through which citizens can engage with the legislative process should provide the EU with the legitimacy and flexibility it needs to address the challenges arising from globalisation in a **digital, interdependent, network-oriented and open society**”.
- “... more systematic use of digital resources (e-governance)”

We did well since the Renaissance ...

- because the values of our civilisation were the best for a communicating society
- human rights, equal opportunities, empowering the individual

These values ...

- allowed more people to read and write,
- to learn and teach,
- to rise above their destiny, inheritance.

- and out of the major Eurasian Civilizations the European one was
 - most respectful for the individual,
 - most meritocratic,
 - not locked into respect for the elderly, casts or belief everything is gods responsibility.

- 500 years ago!
- today we need this kind of dynamism again!

In conclusion:

- *“The essence of technology is nothing technical”*

