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IT Revolution: a 40,000 years story

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What is the IT revolution?

- A new milestone in the industrial revolution?
- End of Gutenberg galaxy?
- Much more!!!

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Technology revolutions

Production revolutions (e.g. stone axe, iron tools, or industrial revolution)

Transportation revolutions
(horse riding, navigation, motorization)

Information revolutions

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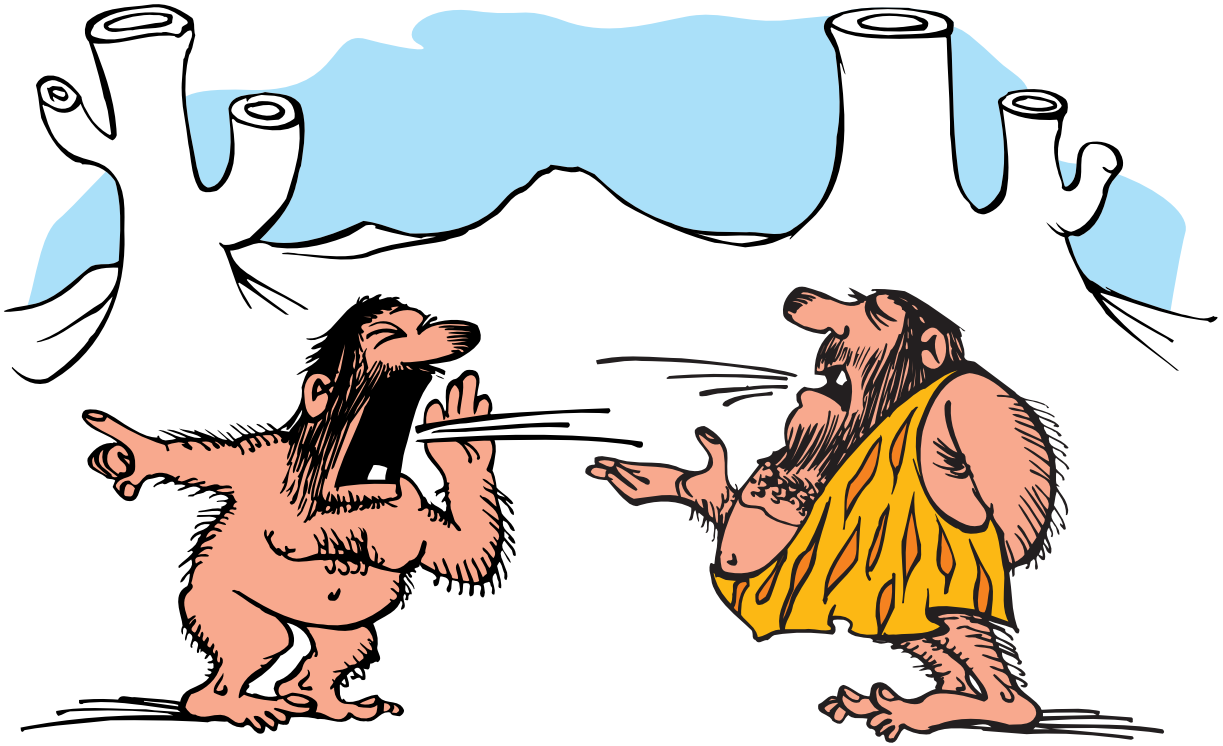
First information revolution

Communicating information



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Second information revolution

Storing information

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Second information revolution

Gutenberg: Democratization of the writing
Information explosion

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Second information revolution

The challenge: How to access it?

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Third information revolution

Accessing and organizing information

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Third information revolution

Neumann's mistake:

"Computer", as an automating tool, only the next milestone would be in the industrial age

Analogy with Columbus

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Third information revolution

Access:

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Organize:

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Third information revolution

Computer in French: Ordinateur

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Where Information Revolution leads?

We have no idea yet!

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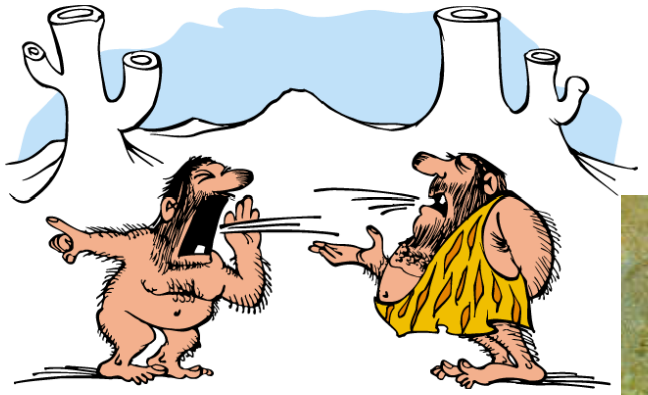
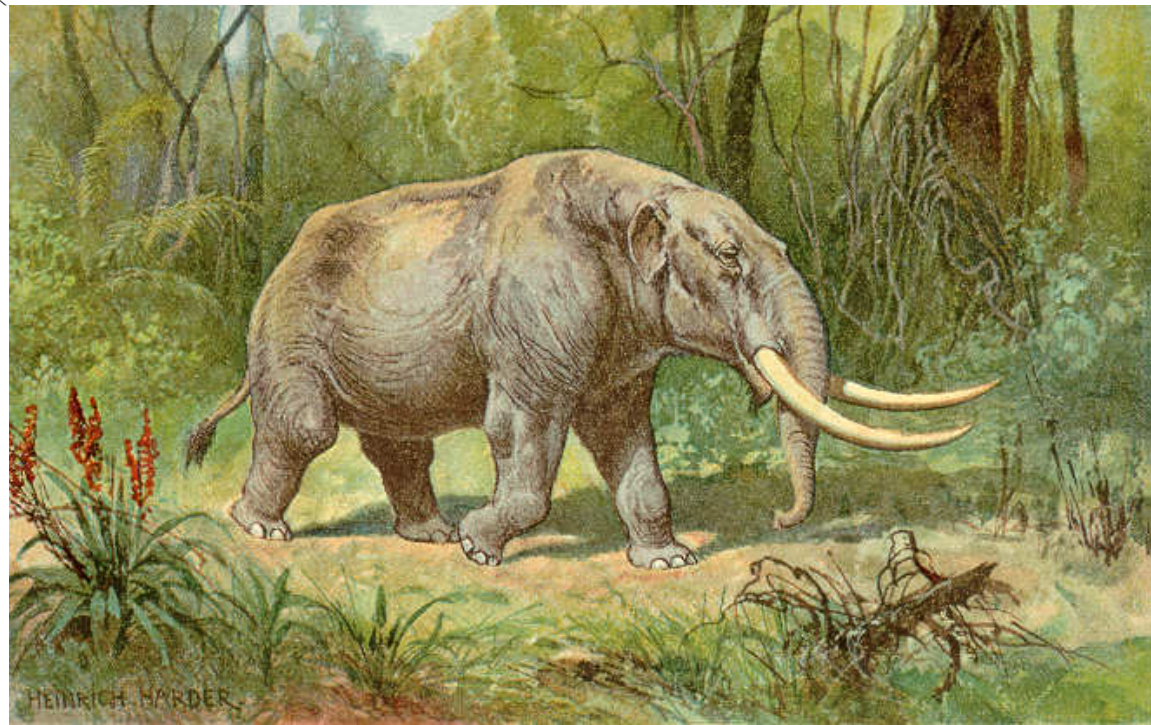
Did they know what the ability to speak will enable them?





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And the ability to store information?

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Without writing

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In Europe 100 years earlier

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In China 2000 years earleir

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Could they have an idea about it?

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We do not have any idea yet where information revolution leads!

Some recent examples:

- Driverless car
- Decoding the human genome
- … or a modest Graphisoft example

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Graphisoft example

How the architectural profession is affected in the Information Age

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Graphisoft example

First generation CAD = Drawing automation

= Industrial interpretation of IT

= Productivity improvement and solving some limitations

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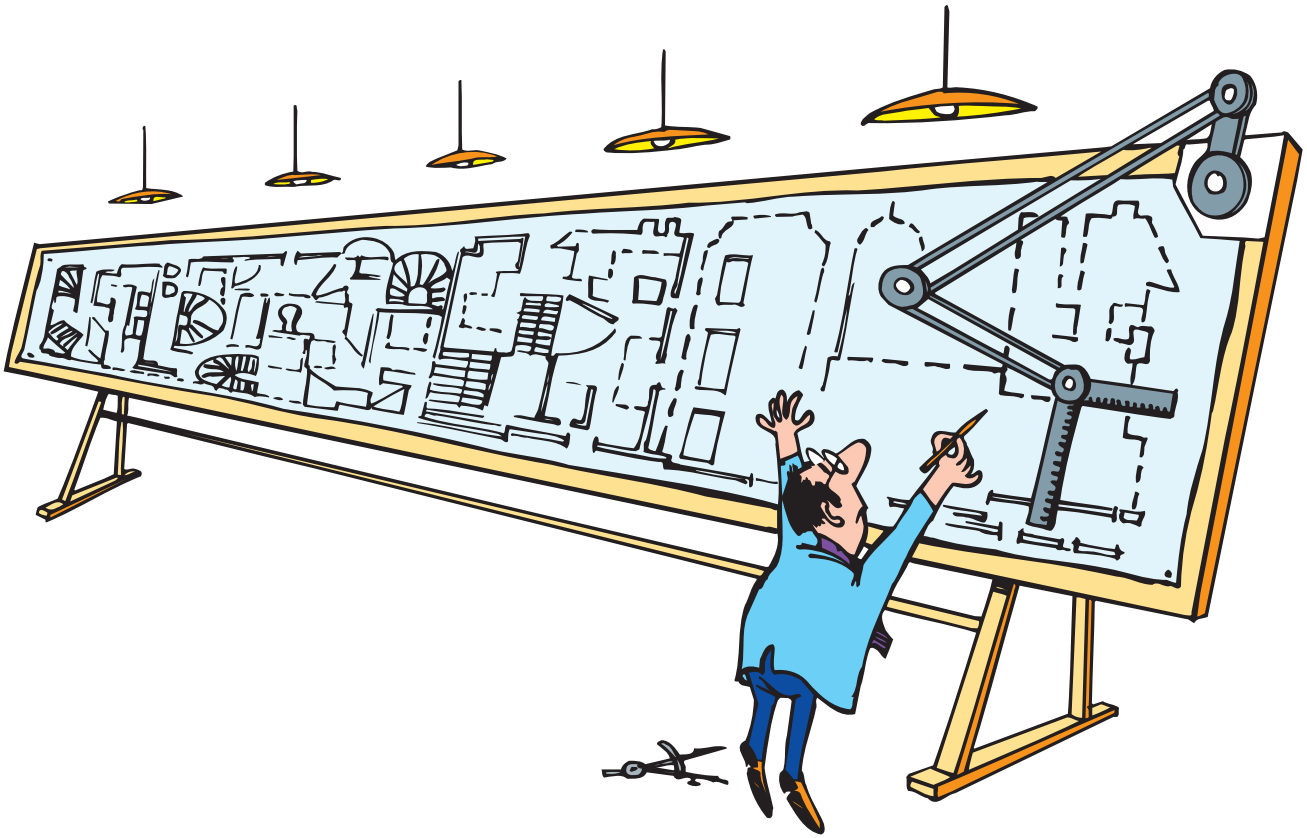
Graphisoft example

Limitation of paper size



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Graphisoft example

Limitation of access to the paper

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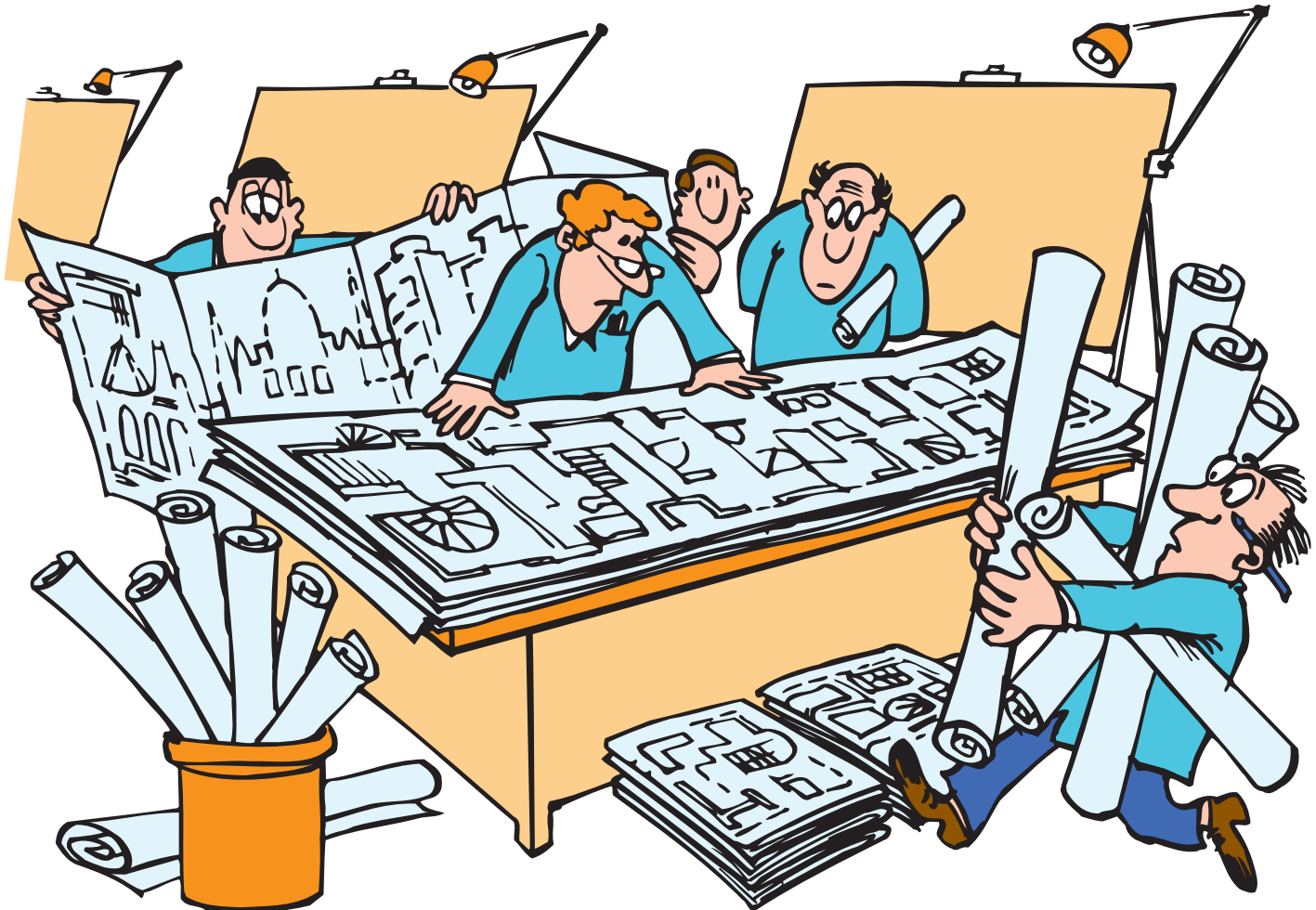
Graphisoft example

Control over information explosion?



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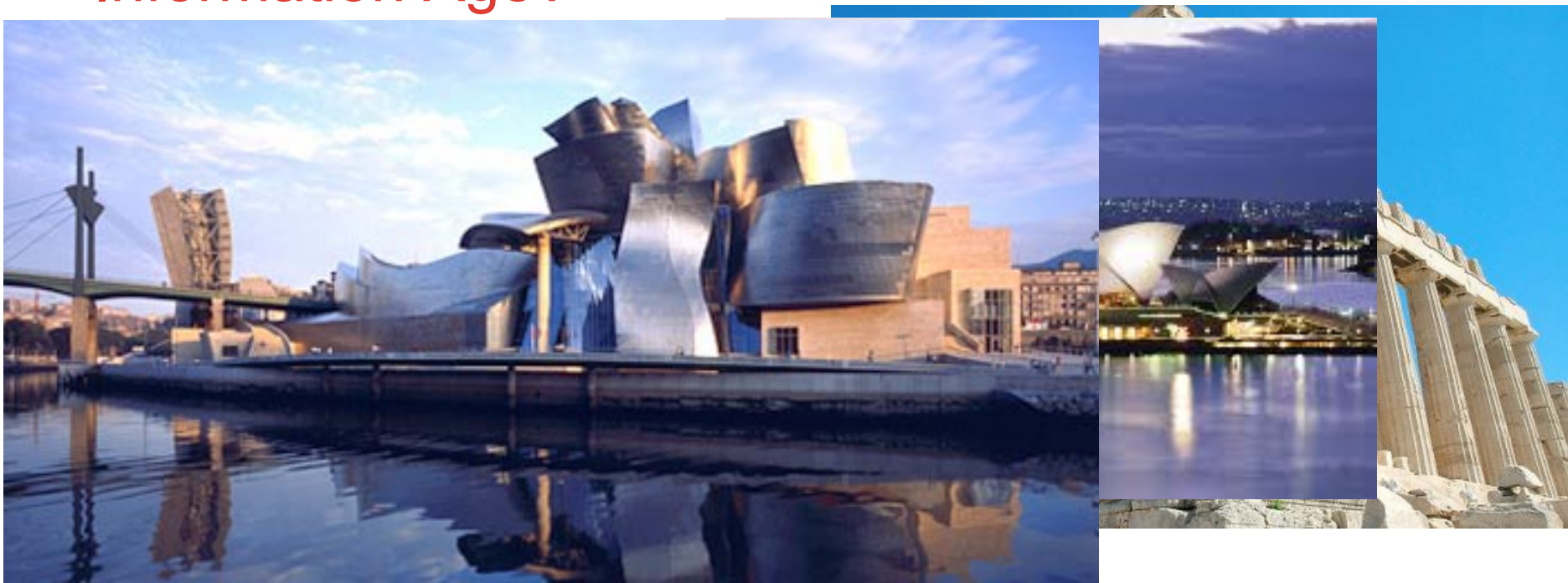
Graphisoft example

- BIM = Building Information Modeling
- BIM replaced CAD in architecture
- What kind of new architecture will emerge in the Information Age?



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We have no idea yet!

But it is our duty
to try to guess

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Thank you for your attention!

Gábor Bojár

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