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## From Roman Speakers to IBCS Pragmatics

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## From Roman Speakers to IBCS Pragmatics

### The Basic Problem: How to do Things with Information?

The Roman Speakers Wisdom: How to be understood?

Data ≠ Information ≠ Knowledge ≠ Action

It's not enough to deliver information, you must communicate it

### Three Pillars of Semiotics describe different levels how to form and use a message


Signs are elements of any message (= content + intention)

**Syntax** Relations between the signs  
Logics Rules how to use combination of signs


**Semantics** Meaning of signs  
Convention Rules to define the meaning of signs and combinations thereof

**Pragmatics** The intended effect of communicated signs and combinations thereof  
Reality Rules of using signs to produce the intended effects


**How to do things with information? The intended effect of a message is decisive ...**

 ... to bring all relevant people to the same state of knowledge

**Interactive Dashboards**

 ... to convince with arguments (assertions, proofs, demonstrations)

**Reports**

 ... to support decisions

**Presentations**

... to warn

... to promise

... to recommend

The decisive factor is not what the author of a message means, but whether and how the information has been understood by the recipients.

The message of our information product should be the answer to the question posed by the interested audience.

You cannot understand the answer if you do not know the question.

Therefore the question must be communicated, too.

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## The Rules of Rhetorics could help IBCS



How to convince the “person in power” (i.e. the judge or decider) in a concrete situation to get an appropriate decision?

It is not enough only to deliver information.

General Rules in Roman Rhetorics:

Good preparation **SAY**  
 Structuring (story line) **STRUCTURE**  
 Clear Intention **SAY + SIMPLIFY**  
 Good Arguments **CONDENSE + CHECK**  
 Good Performance **EXPRESS + CONDENSE + UNIFY**

**The Rules of Rhetorics could help IBCS**



Moreover: Pragmatic Rules

Select suitable means  
novelty & confirmation

Select Form:  
**Deductive, inductive**, appellative  
(message type)

Communicate about your  
communication (**explain** problem and  
question) and about the context

To deliver inform is not enough!

Why?

**From Roman Speakers to IBCS Pragmatics**

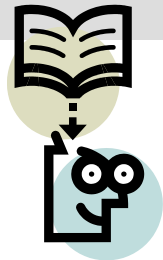
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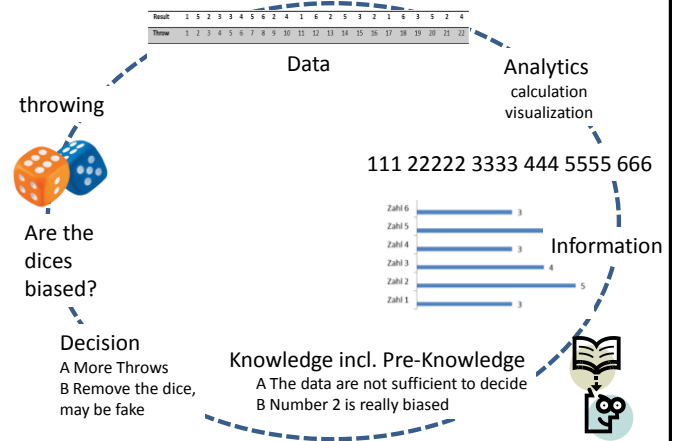
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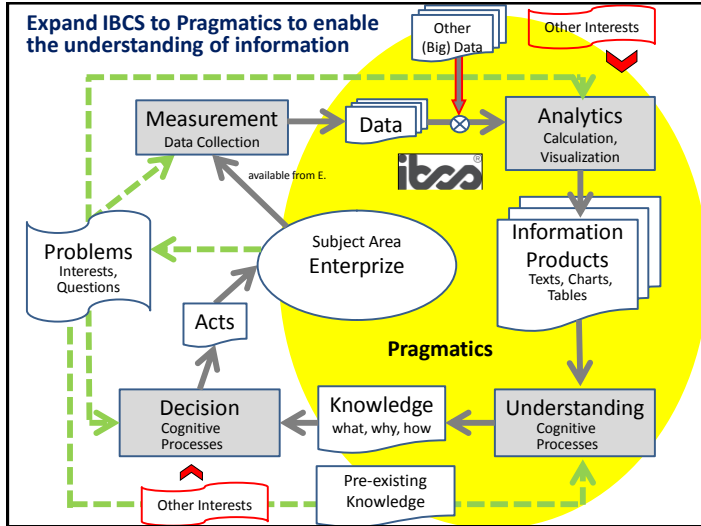
Available information (Files, Books, Charts, Interactive Means) is not yet knowledge!



**From Data to Decision**







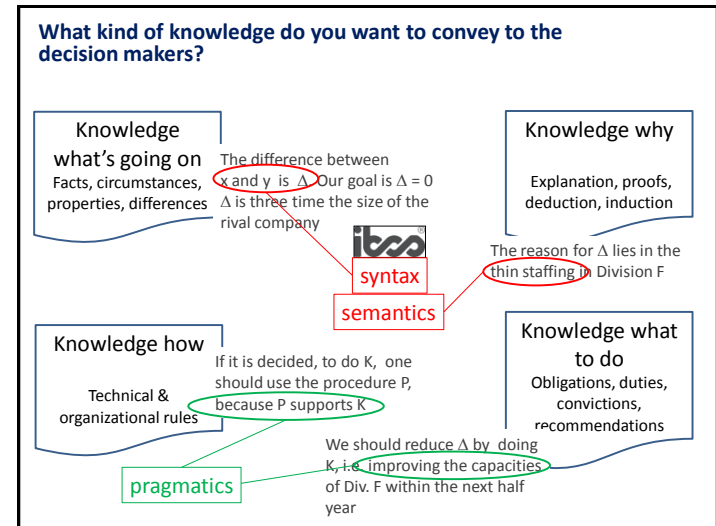
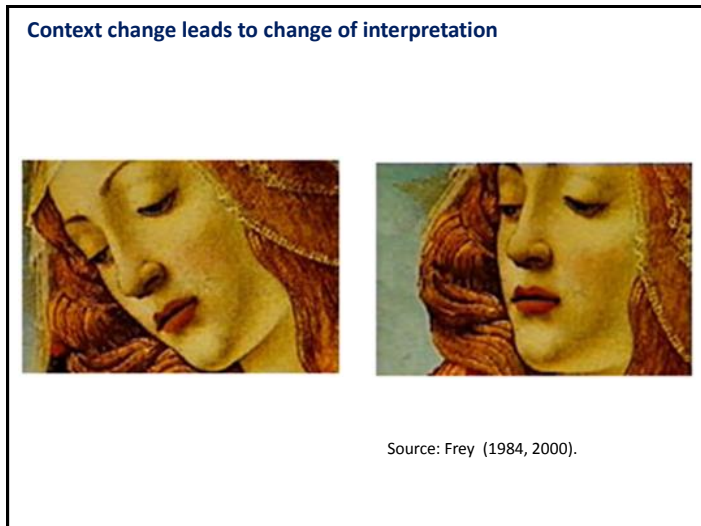
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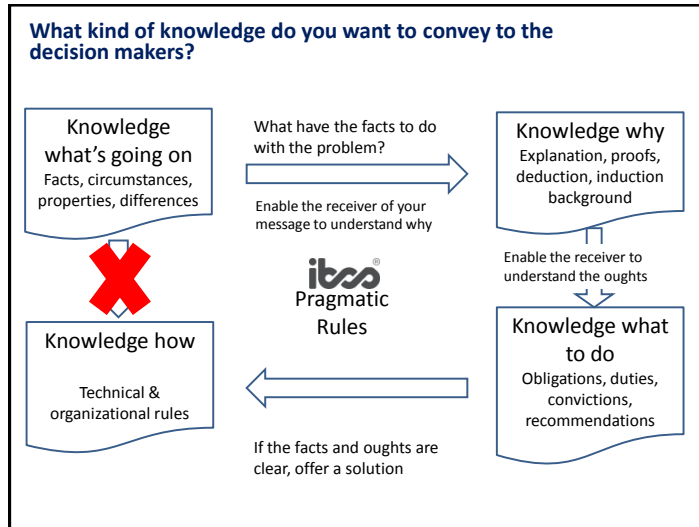
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It is not enough, to show only charts, dashboards etc.

To communicate about the options of interpretation of your message requires trust and a little bit of courage.

You must say something about the mesh size of the fisher net to explain the statistics of caught fishes.



Enable the controller to have a nontrivial message and encourage him to communicate it.