

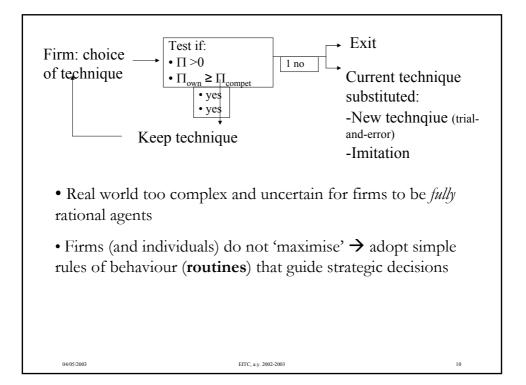
Uncertainty

• <u>Technological (and market) uncertainty</u>: firms do not know in advance what is possible from a technical point of view, how consumers will respond to the introduction of new products, etc.

- How to cope with uncertainty in economic models?
- Neoclassical models \rightarrow maximizing agents + stochastic outcomes
- Evolutionary models \rightarrow boundedly rational agents

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• <u>Methodological problem</u>: abandoning hp. that firms are maximising agents implies that we are unable to predict their behaviour?

 \rightarrow NO: also "random" choices are selected by the environment

 \rightarrow sub-optimal choices tend to disappear, when they lead to negative outcomes (firms exit from the market)

 \rightarrow observing the number and types of firms operating in a market allow to formulate predictions on what behaviours/firms are most likely to be selected

 \rightarrow what is a "optimal" behaviour depends on the environment, on the behaviour of other agents: 'local' optima

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