



SSPE-CT-2005-022709

REBECA

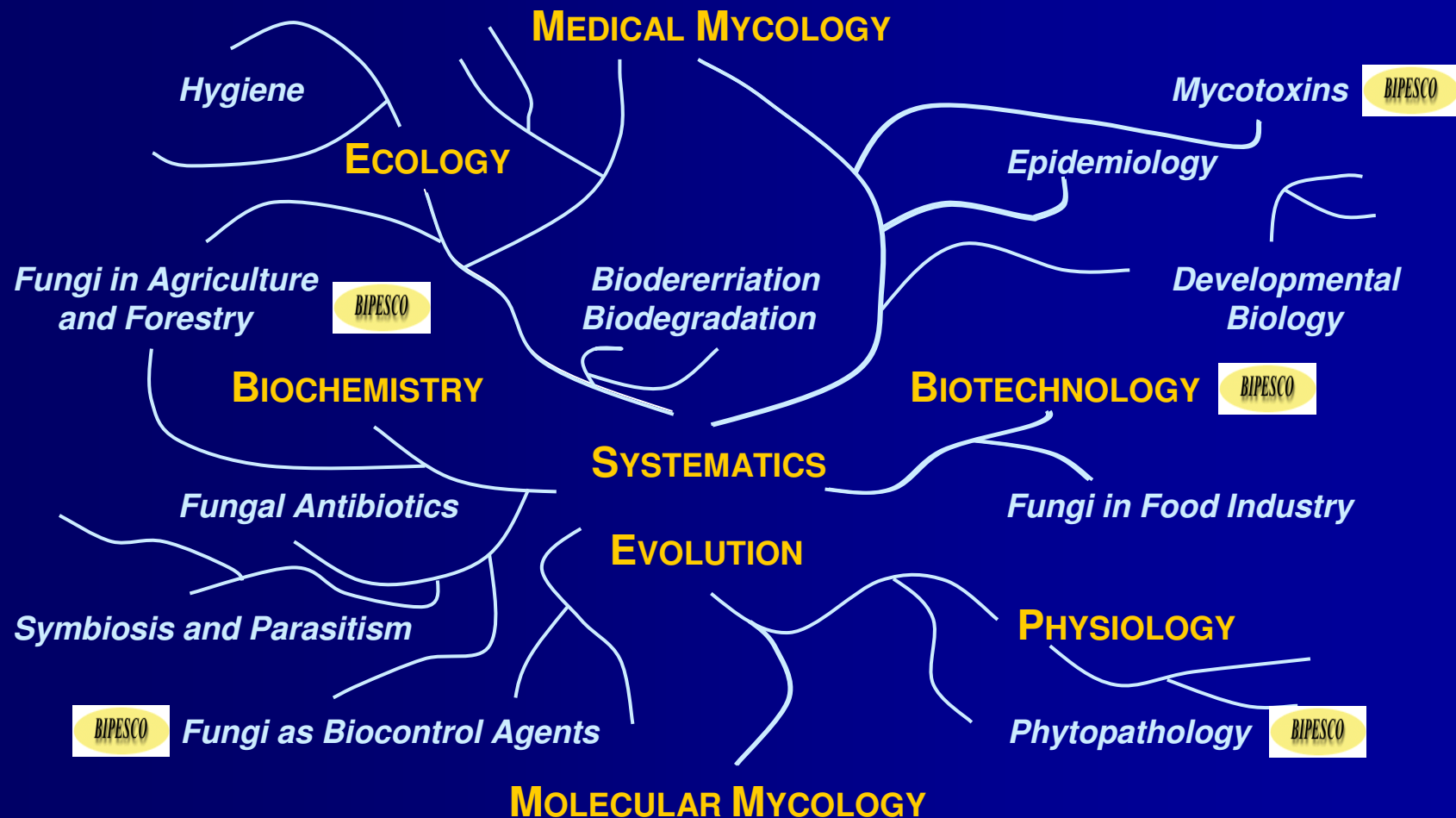


Innsbruck, Österreich

April 13th – 14th 2006



Mycology Network Innsbruck





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Work package 3 – Microbials

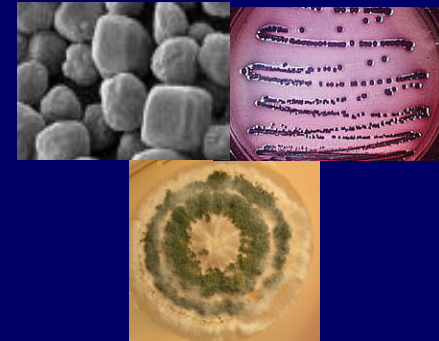


<http://bipesco.uibk.ac.at>

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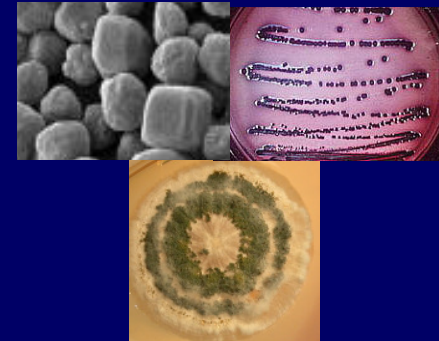
Workpackage 3



Objectives

- (i) Identify relevant risks related with the use of microbial BCAs (viruses, bacteria and fungi)
- (ii) Propose risk assessment strategies
- (iii) Compare results of risk evaluation with existing regulatory practice
- (iv) Propose balanced regulatory testing demands for microbial BCAs and define knowledge gaps
- (v) Define guidelines for identification of „low risk“ micro-organisms

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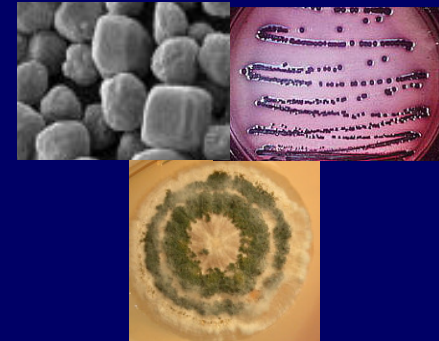
Risk evaluation for microbials (WS Innsbruck)

Risks to humans and the environment should be critically reviewed for relevance and discriminated between perceived and real risks.

“Perceived risk” can be defined as the subjective assessment of the importance of a hazard by individuals or by groups of individuals”.

“Real risks are those, for which scientific evidence is available”.

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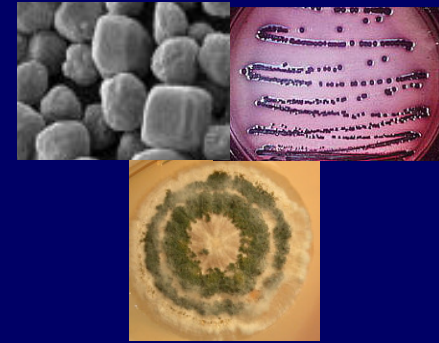
Risk evaluation for microbials (WS Innsbruck)

Immunological criteria should be considered, toxic and allergic effects for those BCAs, which produce secondary metabolites.

Fate of metabolites in the food chain will be assessed.

“Relevant metabolites – i.e. metabolite of toxicological, ecotoxicological, and/or environmental concerns”

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Risk evaluation for microbials (WS Innsbruck)

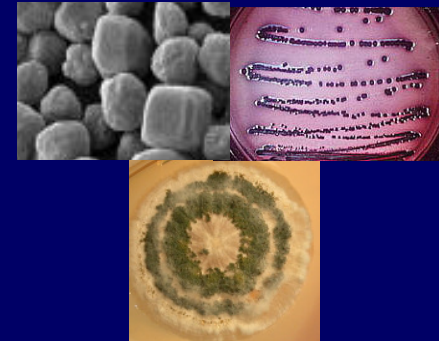
Specific characters of the different groups of microbial BCAs have to be reviewed and adapted risk assessment systems discussed.

Effects on non-target organisms and ecosystem function are reported to be small and transient.

Re-assessment of risks posed to the environment, including fate of inoculum and metabolites, is therefore desirable and reduced data requirements will be discussed.



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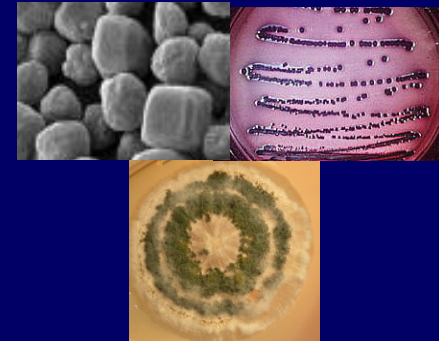
Risk evaluation for microbials (WS Innsbruck)

A major problem is the lack of methods and study guidelines for evaluation of pathogenic, toxicological and allergenic risks and models to assess different exposure scenarios.

Information will be gathered on existing guidelines and knowledge gaps identified to propose future community RTD activities.



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Milestone

Appraisal of risks and review of risk assessment methods for microbial BCAs

Deliverable

Interim report on relevant risks and tools to determine risks of microbial BCAs