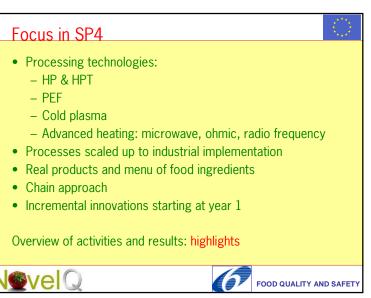
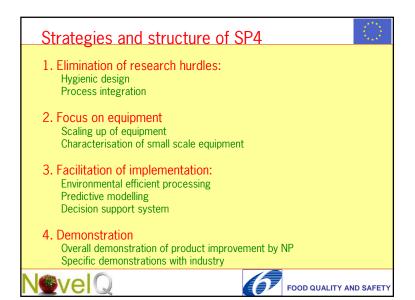


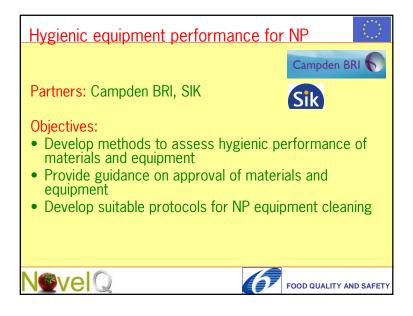
Subproject 4

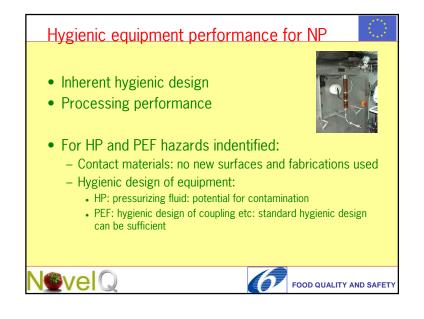


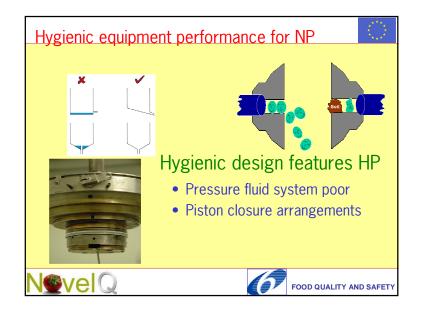


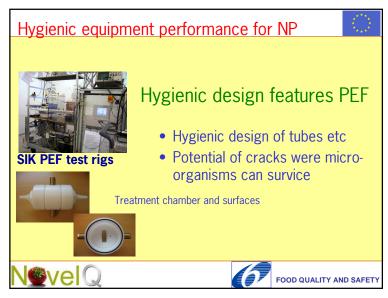
**Development and Demonstration of Novel Food** 

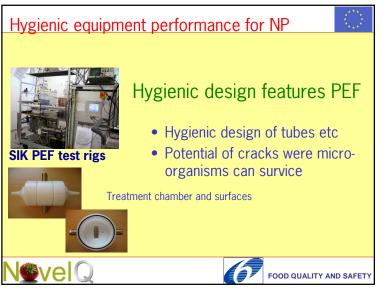










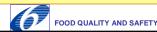




# Hygienic equipment performance for NP Potential post-process problems with both HPP and PEF (though no different to any other thermal process) Aseptic packaging needed for PEF Post contamination possible after HP if there are leakages

• Potential solutions and control options will be developed





## **Process integration**

### Automatic handling of products:

- Minimisation of recontamination of product after processing
- Integration with cleaning
- Integration with sorting and positioning
- Preservation of quality

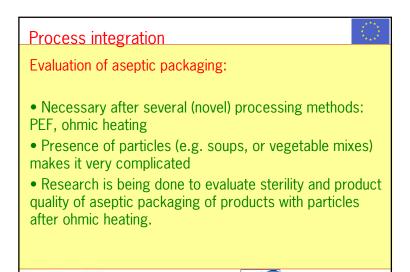
### Results achieved

- Robot handling system developed
- Different gripper systems designed



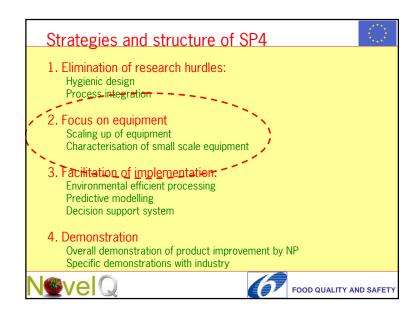






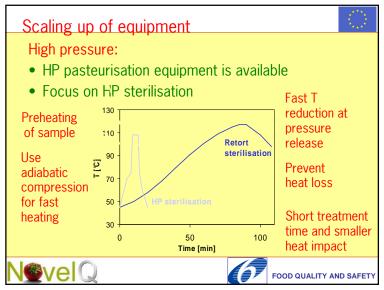
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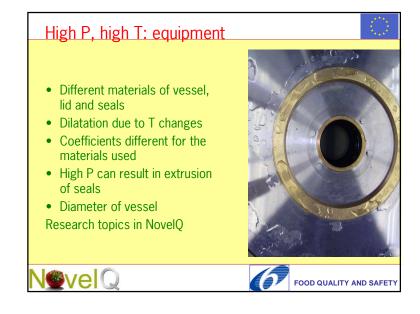


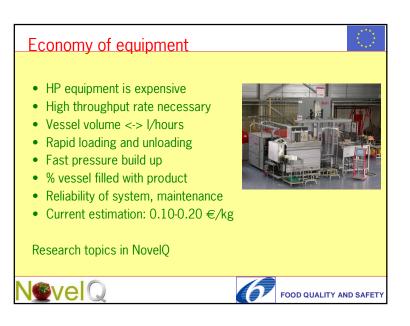
# Process integration • Evaluation of aseptic filling after ohmic heating • Vegetable mixes, meals: large particles \*\*Process integration\*\* \*\*Object of the process of th





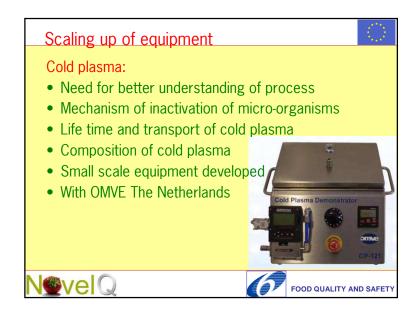


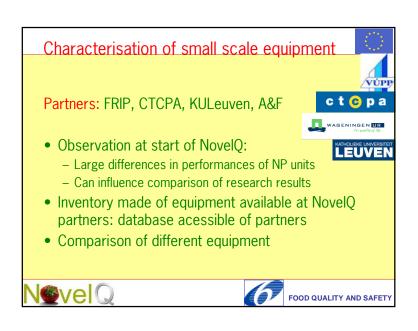


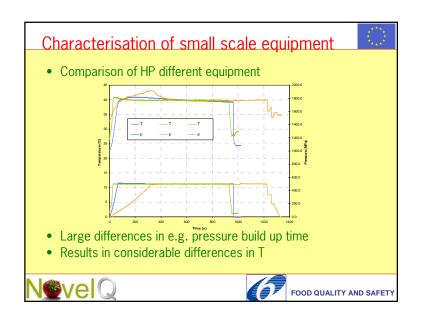


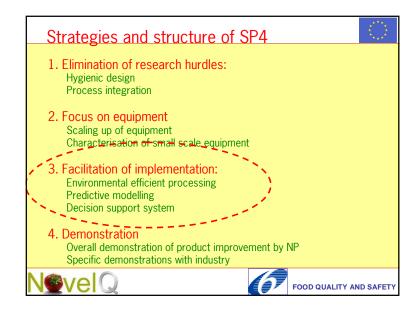


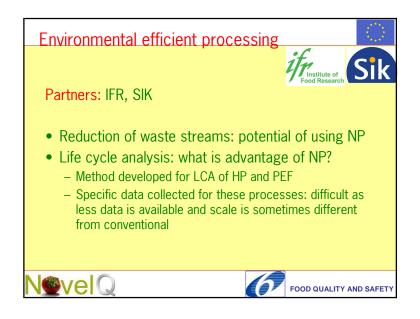


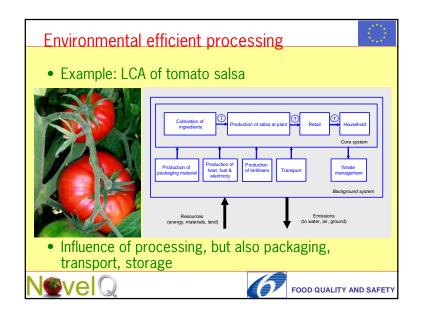


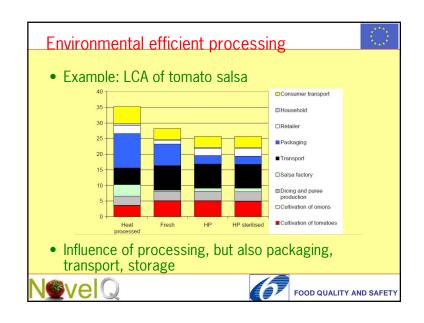


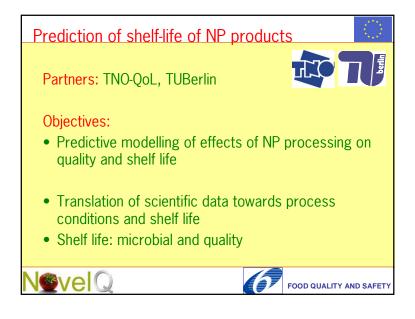


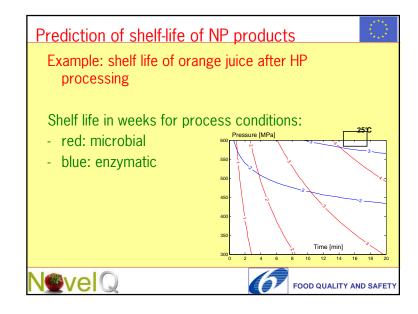


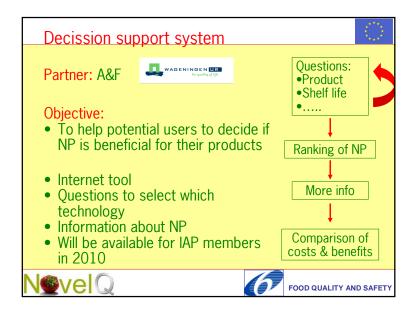




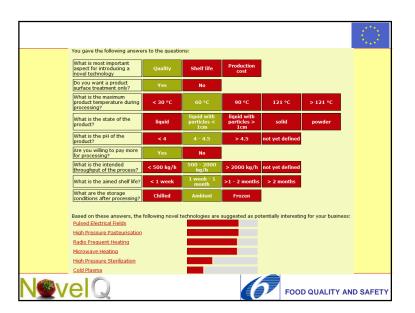


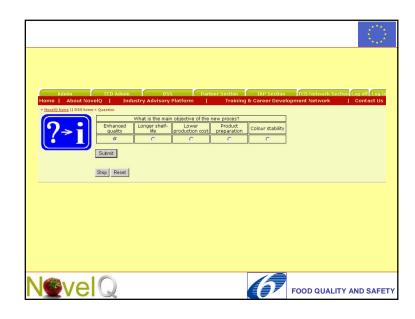


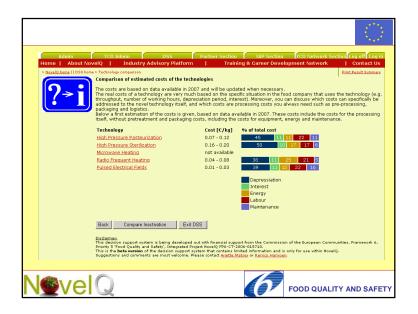


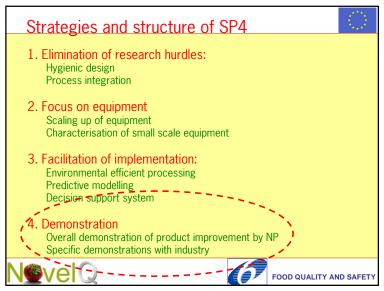




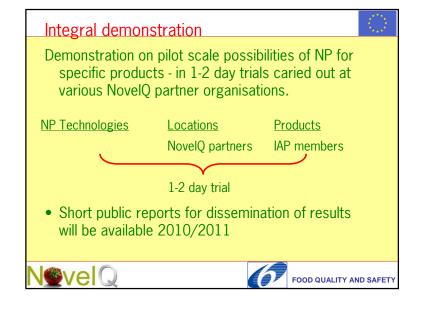


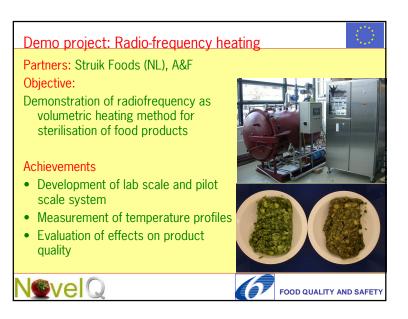


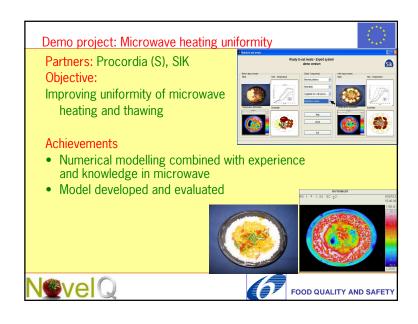














Demo project: Ohmic heating of pumpable foods

Partners: OPAL (F), Peny (F), CTCPA

Objective:

