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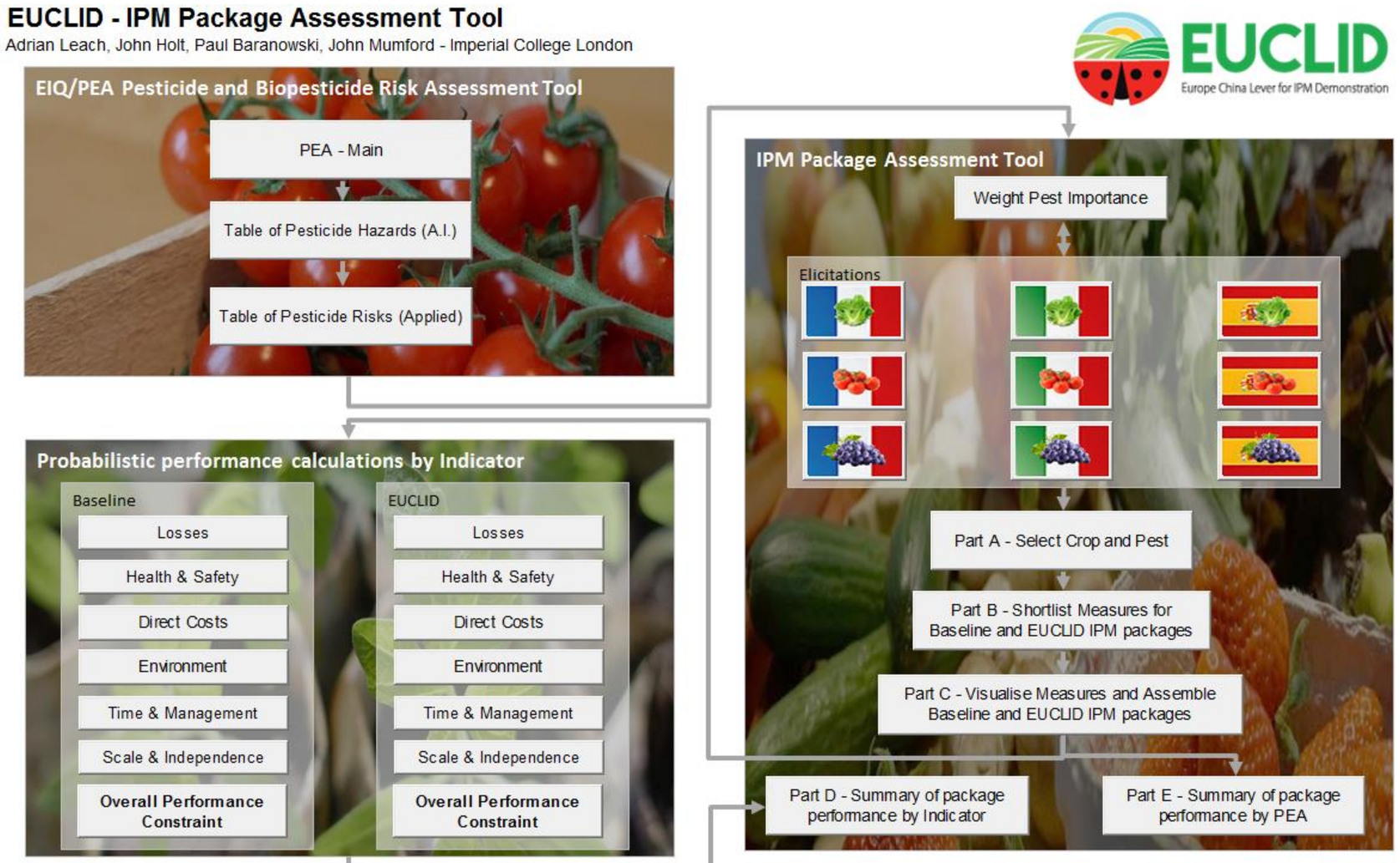
EUCLID IPM PACKAGE ASSESSMENT TOOL

- A consistent, generic framework for comparing sets of IPM measures
- A method for assessing benefits of an IPM package against current practice
- Strengths and weaknesses of novel measures and packages are identified
- Informs business plan and marketing of novel measures developed within EUCLID



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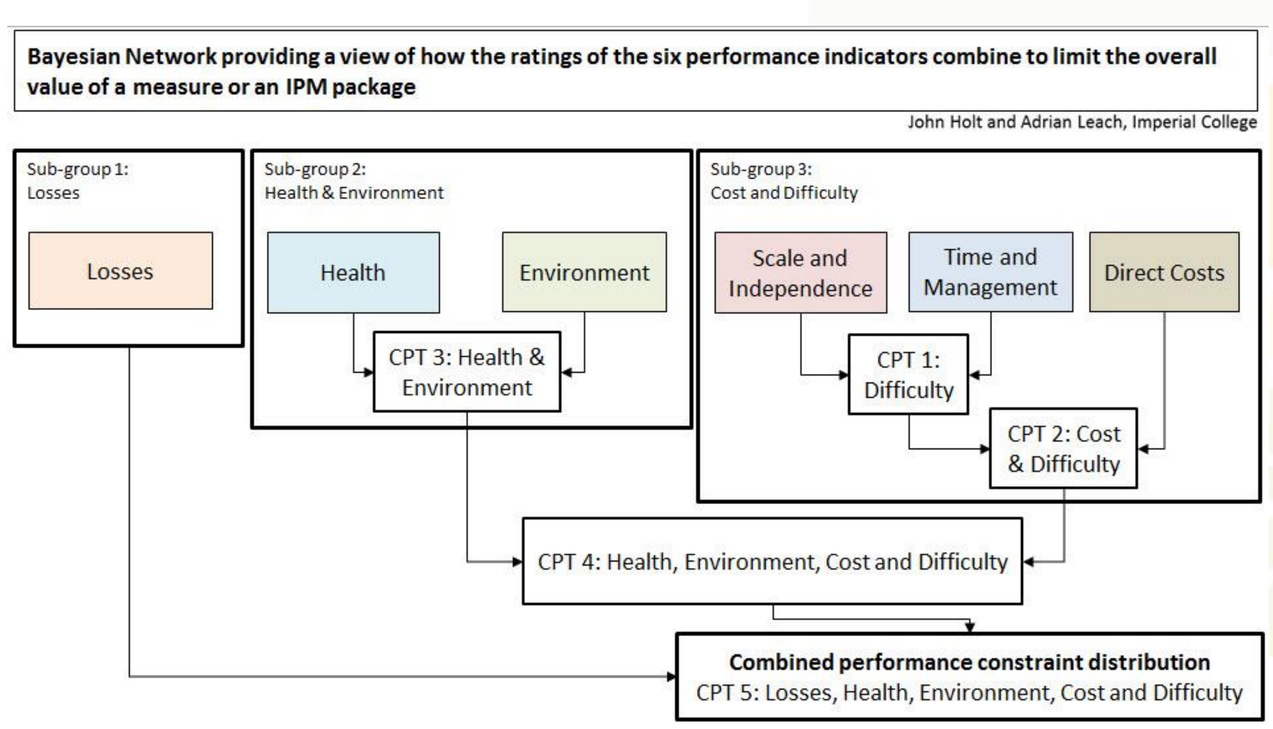
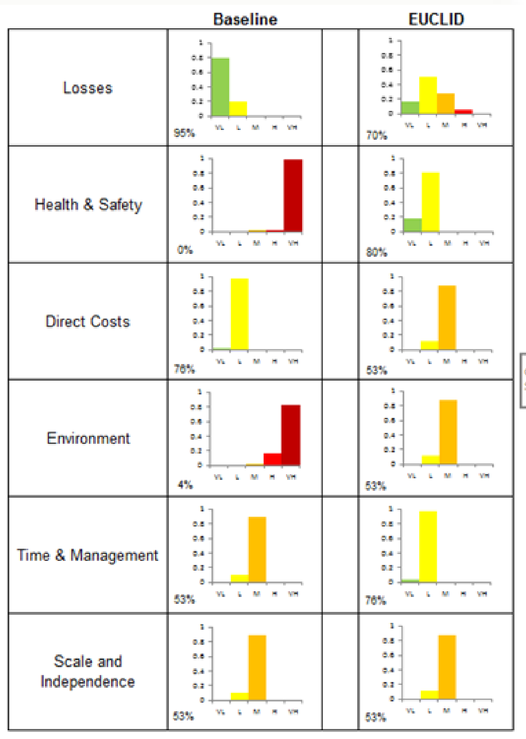
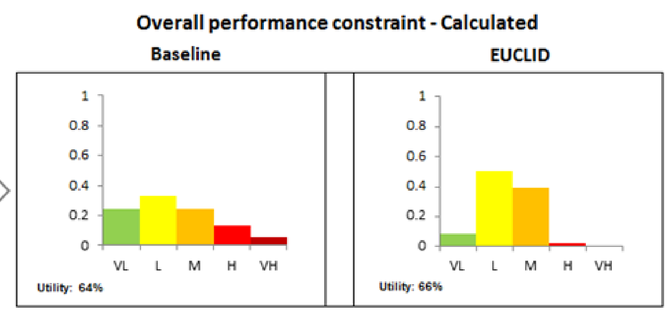
AGRI NEW TECH
RESEARCH FOR ACTION

- Rating and uncertanty for six indicators of performance for control measures are elicited from technologists supported by field data and expert opinion
- Multiple indicators allow different stakeholders (users, developers, policy makers) to consider different attributes
- Results are combined with a Bayesian Network (below left) to provide a summary of performance of each indicator and the IPM package, compared to a baseline of current practice (below right)







VL is very low constraint (good)
VH is very high constraint (bad)

RESULTS

- For 2018 season, the tool was used to assess EUCLID IPM packages in Italian grapes and lettuces
- In the example (above right) of EUCLID IPM options for grapes, the IPM options outperformed current practice for Health and Environment indicators, but Losses were slightly greater; Overall the new package delivered a slightly improved and much less uncertain outcome
- The assessment of two more case studies is planned for the 2019 season