Kick-off-Meeting ACRP-RIMPEST

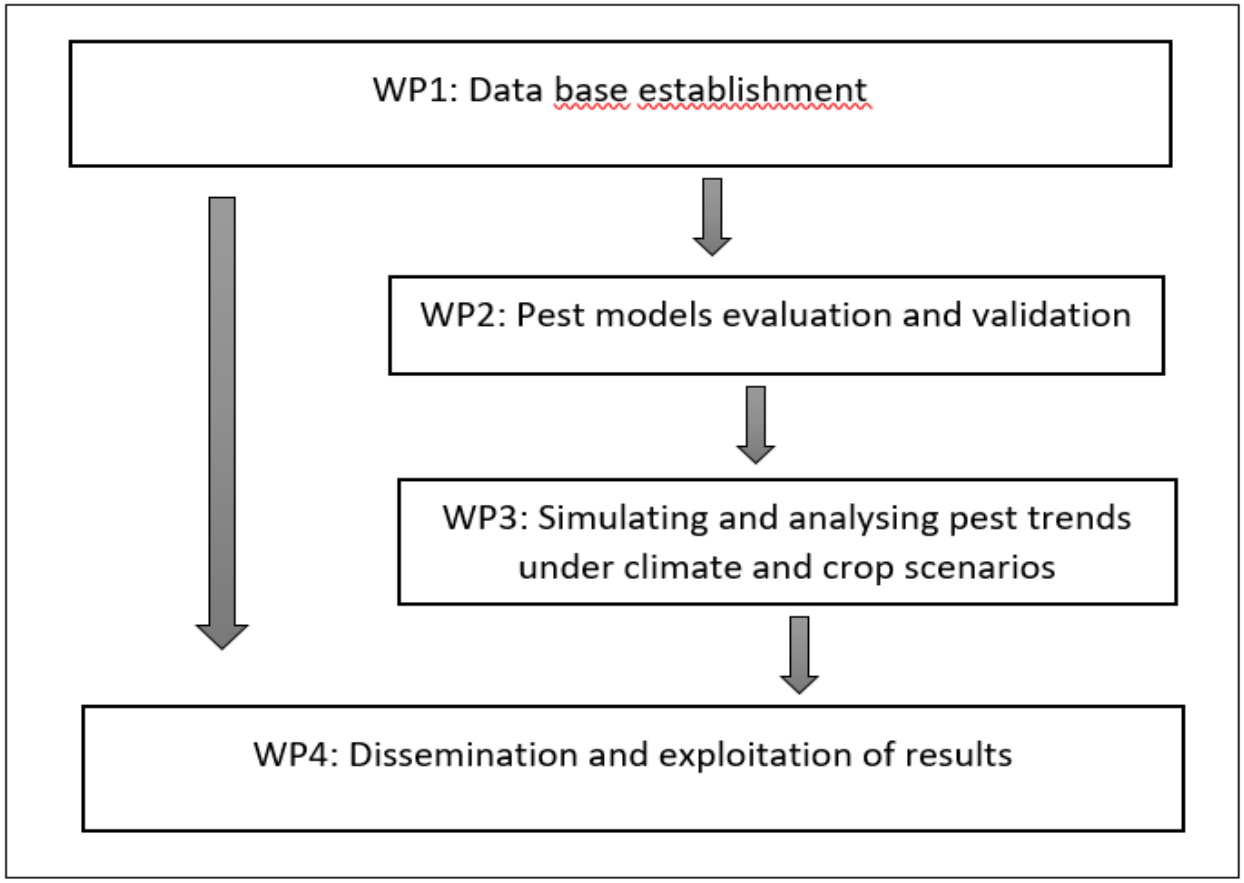
Virtual Meeting, 19.10.2021

09:00 – 13:00

Participants:
Sylvia Blümel[1], Josef Eitzinger[2], Patrick Hann[4], Kerstin Kolkmann[1], Branislava Lalic[5], Milena Marcic[5], Anna Moyses[1], Vitore Shala-Mayrhofer[3], Ana Sremac[5], Gudrun Strauß[1], Sabina Thaler[2], Mirek Trnka[2], Claus Trska[4], Katharina Wechselberger[1]

[1] AGES, [2]BOKU, [3] LKO, [4] MELES, [5] PFNS

Survey Workpackages



Gantt Chart RIMPEST- planned activities

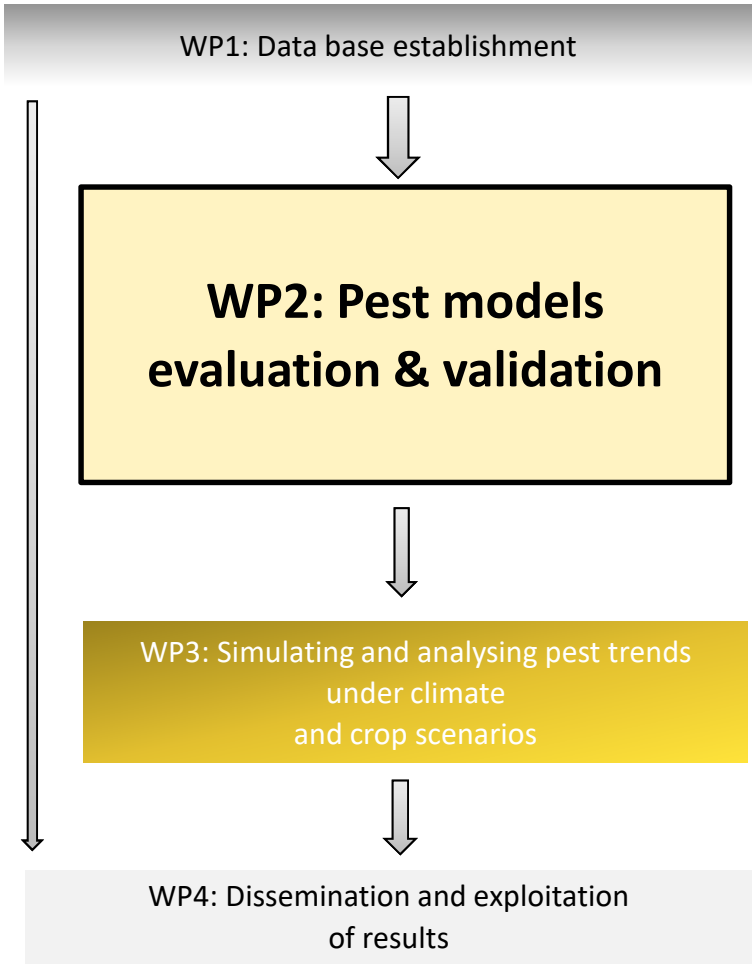
Workpackages/Tasks RIMPEST	Month 1 (first month): 10/2021, month 36 (last month): Sep/2024)																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
WP1: Data base establishment																																				
Task 1.1: Metainformation survey of available data																																				
Task 1.2: Evaluation of weather-related pest damages																																				
Task 1.3: Extension COMBIRISK data base																																				
WP2: Pest models evaluation and validation																																				
Task 2.1: Validation of selected existing pest models																																				
Task 2.2: Establishment/adaptation of new pest models																																				
Task 2.3: Performance test of validated pest models																																				
WP3: Simulating/analysing pest trends under climate/crop scenarios																																				
Task 3.1: Simulation pest phenology change																																				
Task 3.2: Modelling hotspots pest risks																																				
Task 3.3: Analysis of modelling results																																				
WP4: Dissemination and exploitation of results																																				
Task 4.1: Preparation of technical project results for dissemination																																				
Task 4.2: Training and information of stakeholders																																				
Task 4.3: Preparation of policy support report																																				
Project Meetings	a												b												c											d

Management meetings among the partners:

a. Kick-Off and 1st annual meeting.
b. Second annual meeting.
c. Third annual meeting.
d. Final meeting, incl. international symposium

Timeline for WPs
Timeline for tasks
Milestones

WP2: Pest models evaluation and validation



WP1: Data base establishment
Metainformation survey on available pertinent project data
Evaluation of historical, weather-related pest damages from literature
Extension of COMBIRISK data base with project relevant data

WP2: Pest models evaluation and validation
T.2.1. Validation of selected existing pest models
T.2.2. Establishment/adaptation of new pest models
T 2.3. Performance tests of validated pest models used for simulations of pest trends under climate and crop scenarios

WP3: Simulating & analysing pest trends under climate and crop scenarios
Simulation of pest phenology change under changing climate scenarios
Modelling hotspots of climate driven pest risks
Analysis of model results by consideration of non-modelling parameters

WP4: Dissemination and exploitation of results
Preparation of technical project results for dissemination to stakeholders & general public
Training and information of stakeholders
Preparation of policy support report

WP2: Pest models evaluation and validation

T2.1. **Validation of selected existing pest models**	**Selection criteria**: enough & suitable data available for: • the number of monitoring sites • The number of monitoring years • the monitoring period during a growing season • the monitoring methods • the developmental stages of the target pest species • number of weather variables • number of pest parameters • the applicability of the models for practical use
T2.2. **Establishment/adaptation of new pest models**	<u>New models:</u> *M. melolontha, A. fabae, A. pisum, M. persicae* <u>Improved/adapted models:</u> *D.v.virgifera; Agriotes sp., O. nubilalis, H. armigera, L. botrana, E. ambiguella, S. titanus, C. pomonella and G. funebrana*
T2.3. **Performance tests of validated pest models** used for simulations of pest trends under climate and crop scenarios	•model sensitivity analysis •calculation of model outputs for model parameter values •identify sensitivity of model on empirical parameter values

Thank you very much for your attention

Univ. Doz. DI Dr. Sylvia Blümel

Department for Plant Health in fruit crops, viticulture & special crops

AGES – Austrian Agency for Health & Food Safety

Spargelfeldstr. 191

A-1220 Vienna, Austria

++43-50555-33300

sbluemel@ages.at

www.ages.at