Monday

- **Objective: discussion of goals of project and exchange of information between Pis**

Time	Topic	Content	Speaker
9:30 – 9:50	Welcome	- Short program overview - reminder of topics	TUM (Michael)
9:50 – 10:10	Presentation	Different use cases in RoboHow - flow of control - flow of data	TUM (who?)
10:10 – 10:25	Presentation	Each Partner presents view on use cases - how do they understand them? - where do they fit in? - what can they provide?	Aldebaran (???)
10:25 – 10:40	Presentation	*See above.*	CNRS
10:40 – 11:00	Coffee break		
11:00 – 12:30	Presentation	Remaining six partners present their view on the use cases (each 15min)	<Alphabetic order>
12:30 – 13:30	Lunch break		
13:30 – 14:15	Discussion	Wrap-up of partner presentations - do we need to change use cases? - do all modules have responsibles? - are their overloaded partners? - which are key integration efforts?	Moderator: KUL
14:15 – 15:30	Discussion	The first demonstrator - What exactly do we want to show? - Which robots will be available? - Which scientific results of the first year will be in the demonstrator?	Moderator: TUM
15:30 – 16:00	Coffee break		
16:00 – 17:15	Discussion	Organisation issues - Where will future workshops be? - IAS moving to Bremen... - Proposition of reviewrers - schedule of next workshop (- PhD student exchange)	Moderator: KTH
17:15 – 18:00	Presentation	Wrap-up of day 1 - What has been decided? - Possible conclusions for the rest of the workshop? - Outline of the PhD wokshop - discuss culture of workshops	TUM (Michael)
18:00		End of day 1.	
19:00		Dinner together downtown	

Tuesday

- **Objective: foster mutual (technical) understanding, target audience: Pis and PhDs**
  - **What is the software of the others capable of?**
  - **What can be expected from the others? What not?**

Time	Topic	Content	Speaker
9:30 – 9:50	Welcome	Present goals of day 2 - tutorial-style presentations of each partner on their contributions to project	CNRS
9:50 – 10:45	Tutorial	Individual partner component presentation - more detailed view of components developed by partners - What are the problems they are solving? - Why are these relevant to RoboHow? - What are inputs and outputs of software? - Show connection to use cases	KUL
10:45 – 11:10	Coffee break		
11:10 – 12:05	Tutorial	*See above.*	FORTH
12:05 – 13:00	Tutorial	*See above.*	EPFL
13:00 – 14:00	Lunch break		
14:00 – 14:55	Presentation	Presentation on integrating psychological ideas into research agenda/questions of RoboHow - how can certain studies be implemented in specfic robot demonstrations to show the impact of a psychological idea/finding?	UL
14:55 – 15:50	Tutorial	Individual partner component presentation	TUM
15:50 – 16:10	Coffee break		
16:10 – 17:05	Tutorial	*See above.*	KTH
17:05 – 18:00	Tutorial	*See above.*	CNRS
18:00		End of day 2.	

Wednesday

- **Objective: workshops on ROS and iTaSC**
  - ○ **ROS introduction workshop for ROS beginners to clarify common basis**
  - ○ **iTaSC interactive workshop**

Time	Topic	Content	Speaker
8:30 – 8:45	Welcome	Present goals of day 3 - ROS and iTaSC workshop - reminder: figure out sub-groups for next day	KUL
8:45 – 10:45	Workshop	iTaSC workshop – session 1 - details ?	KUL
10:45 – 11:15	Coffee break		
11:15 – 12:45	Workshop	iTaSC workshop – session 2 - details ?	KUL
12:45 – 13:45	Lunch break		
13:45 – 15:15	Workshop	iTaSC workshop – session 3 - details ?	KUL
15:15 – 15:45	Coffee break		
15:45 – 17:15	Workshop	ROS Workshop – basic concepts - msgs/services/topic/... - building something - rviz - *tf*	TUM (Lorenz)
17:15 – 17:45	Coffee break		
17:45 – 18:30	Workshop	Software deployment using ROS. - best practices - how to commit to repo to share with others - how to record and use ROS bags: examples - slides as reference for future work	TUM (Lorenz)
18:30		End of day 3.	
evening	Social event	Possibility to go for a beer in sub-groups. Nothing specifically planned.	
evening	Homework	Review ROS workshop to prepare for next day	

Thursday

- **Objective: start work in sub-groups**
  - **discuss pair-wise interfaces**
  - **agree on message-based interfaces**
  - **prepare presentations for other sub-groups**
  - **implement dummy servers & clients**

Time	Topic	Content	Speaker
9:30 – 9:45	Welcome	Present goals of day 4 - see objective - split in sub-groups	TUM
9:45 – 12:30	Workshop	Work in sub-groups	
12:30 – 13:30	Lunch break		
13:30 – 16:00	Workshop	Work in sub-groups	
16:00 – 16:30	Presentation	Informal presentations about results of the day	
16:30 – 19:00	Workshop	Work in sub-groups	
19:00 – 20:00	Dinner	order pizza to the lab...	
20:00 – 22:00	Workshop	Extra time to work in sub-groups (individual end)	

Friday

- **Objective: continue work in sub-groups**
  - ○ **finish presentations for other sub-groups**
  - ○ **complete implementation of dummy servers & clients**
  - ○ **possibly: work on tutorials together, i.e. knowledge transfer**
  - ○ **possibly: discuss future collaboration work**
  - ○ **possibly: advance towards a small demo beyond interfaces**
  - ○ **strongly recommended: record ROS-bags**
    - ▪ **record current sandwich and pancake demos (several runs?)**
    - ▪ **think about specific data that will be needed later (homework)**

Time	Topic	Content	Speaker
9:30 – 9:45	Welcome	Present goals of day 5 - *see objective* - results/insights from day before that should be kept in mind, today - possible change of way to work?	EPFL
10:00 – 12:30	Workshop	Work in sub-groups	
12:30 – 13:30	Lunch break		
13:30 – 16:00	Workshop	Work in sub-groups	
16:00 – 16:30	Presentation	Informal presentations about results of the day	
16:30 – 19:00	Workshop	Work in sub-groups	
19:00 – 20:00	Dinner	order chinese food to the lab...	
20:00 – 22:00	Workshop	Extra time to work in sub-groups (individual end)	

Saturday

- **Objective: finish workshop**
  - **presentations on results of sub-groups**
  - **discuss next steps in sub-groups, i.e. homework to do in the next 6 months?**
  - **outlook to the next workshop**

Time	Topic	Content	Speaker
9:00 – 9:20	Welcome	Present goals of day 5 - *see objective* - results/insights from day before that should be kept in mind, today - possible change of way to work?	FORTH
9:20 – 10:00	Presentation	Results of sub-groups - length and order depends on sub-groups	???
10:00 – 10:15	Coffee break		
10:15 – 11:30	Presentation	*See above.*	???
11:30 – 12:00	Goodbye.	Wrap-up of workshop and outlook to the next one - discuss culture of workshops in RoboHow - hacking vs testing workshops - commitment to early deliverables	TUM