

# AMENDMENT REQUEST LETTER

Munich, 08-05-2018

European Commission  
Communications Networks, Content and Technology  
B-1049 Brussels  
Belgium

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Dear Lucilla Sioli,

**Subject:**

Request for Amendment No. 6 to grant agreement No. 601116  
Project title "ECHORD Plus Plus" – "European clearing House for Open Robotics  
Development Plus Plus"

With reference to the above mentioned grant agreement, I request on behalf of the consortium to modify the grant agreement as follows:

***1 – Addition of new deliverables – PDTI Urban Robotics, Phase III, and  
Experiment Booster Programme***

PDTI Phase III in Urban Robotics will be carried out by the experiments ARSI (WP 26) and SIAR (WP 28). In order to integrate Phase III in Annex I, the deliverables specified in Table 1 below are integrated. Furthermore, the deliverables specified in Table 2 are added to incorporate the Experiment Booster Programme into Annex I for the three experiments benefiting from it, i.e. EXOTrainer (WP 12, run by beneficiary no. 39, Marsi Bionics), MODUL (WP 17, run by beneficiary no. 24, ETH Zurich) and SAGA (WP 32, run by beneficiary no. 105, Avular).

**Table 1:** Additional deliverables for PDTI Phase III in Urban Robotics

Deliverable no.	Deliverable title	Due date project Overall	Due date PDTI overall	Due date Phase III
D26.9	Changes and improvements based on phase II final evaluation [R, RE]	M54	M21	M3
D26.10	Results of the serviceability inspection test [R+O, RE]	M57	M24	M6
D26.11	Marketability [R, RE]	M57	M24	M6
D26.12	Results of the structural inspection tests [R+O, RE]	M60	M27	M9
D26.13	ARSI final prototype and validation for sewer inspection procedure [R, RE]	M63	M30	M12
D26.14	ARSI technology readiness level and exploitation plan [R, RE]	M63	M30	M12
D26.15	Final multimedia report [O, RE]	M63	M30	M12
D28.9	Changes and improvements based in phase II final evaluation [R, RE]	M54	M21	M3
D28.10	Results of the serviceability inspection test [R+O, RE]	M57	M24	M6
D28.11	Marketability [R, RE]	M57	M24	M6
D28.12	Results of the structural inspection tests [R+O, RE]	M60	M27	M9
D28.13	SIAR final prototype and validation for sewer inspection procedure [R, RE]	M63	M30	M12
D28.14	SIAR technology readiness level and exploitation plan [R, RE]	M63	M30	M12
D28.15	Final multimedia report [O, RE]	M63	M30	M12

**Table 2:** Additional deliverables for Experiment Booster programme

Deliverable no.	Deliverable title	Due date
D12.10	Business strategy overview - EXOTrainer [R, RE]	M64
D17.10	Business strategy overview – MODUL [R, RE]	M64
D32.10	Business strategy overview - SAGA [R, RE]	M64

## 2 - Budget changes implemented

A total budget of 777.115 € (EU contribution) is shifted from TUM to the beneficiaries listed below.

**Table 3:** Budget shifted from TUM's budget to different partners

Beneficiary	EU contribution	Description
FCC (participant no. 54)	40.717 €	PDTI Phase III (experiment: ARSI)
IBAK (participant no. 56)	1.621 €	PDTI Phase III (experiment: ARSI)
SIMTEC (participant no. 55)	26.176 €	PDTI Phase III (experiment: ARSI)
EURECAT (participant no. 53)	187.089 €	PDTI Phase III (experiment: ARSI)
Universidad de Sevilla (participant no. 66)	85.020 €	PDTI Phase III (experiment: SIAR)
IDMIND (participant no. 65)	103.160 €	PDTI Phase III (experiment: SIAR)
Universidad Pablo de Olavide (participant no. 67)	84.420 €	PDTI Phase III (experiment SIAR)
Avular BV (participant no. 105)	82.412 €	Participation in the Experiment Booster introduced to E++ with Amendment 5 as a measure to enhance the impact of E++.
EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH (participant no. 24)	83.250 €	Participation in the Experiment Booster introduced to E++ with Amendment 5 as a measure to enhance the impact of E++.
Marsi Bionics SL (participant no. 39)	83.250 €	Participation in the Experiment Booster introduced to E++ with Amendment 5 as a measure to enhance the impact of E++.

### **3 – Implementation of the Experiment Booster Programme**

The Experiment Booster instrument introduced with Amendment 5 to the Grant Agreement is implemented (see Annex I, dated 08.05.2018, sections 1.2.2.1. and 1.3.2.). Based on the resources available and on the cost of the Booster activities below, three Booster programmes were awarded: Marsi Bionics (Experiment Call I: EXOtrainer), ETH Zurich (Experiment Call I: MODUL), and Avular (Experiment Call II: SAGA). The deliverables added and the budget shifted from TUM to the three beneficiaries are specified in Tables 2 and 3 respectively.

### **4 - Modification of Annex I - Description of Work**

Annex I - Description of Work is modified.

The revised Part A.3 (Overall budget breakdown), WT2 (List of Deliverables), Part B.1 (Scientific and/or technical quality) and Part B.2 (Implementation) of Annex I dated 08/05/2018 attached to this letter replace any former version.

All other provisions of the Grant Agreement and its annexes shall remain unchanged.

All separate requests, including, but not limited to, the ones regarding the implementation of the experiments can be approved independently. The respective modifications of this Amendment Request shall take effect from 15<sup>th</sup> December 2017.

Yours sincerely,

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For the coordinator on behalf of all beneficiaries, done in München

Name of the legal entity:

Technische Universität München, Arcisstrasse 21, 80333 München, Germany

Name of legal representative:

Stamp of the organisation (if applicable):

Signature of legal representative:

Date: