


<b>VENUE</b> <b>ULMA Headquarters</b> <b>Oñati, Spain</b> <b>15<sup>th</sup> September 2016</b> <b>10:00 – 14:30</b>	<b>WORKSHOP</b> <b>Innovation in business and</b> <b>technologies for increased asset</b> <b>re-use and life-cycle extension</b>	Supported by <b>T-REX</b> <b>consortia</b> 
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### Coordination & contact point

Dr. Aitor Arnaiz, Intelligent Information Systems, IK4 - TEKNIKER, Eibar, Spain  
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### Scope of the workshop


During last 3 years, **T-REX project**, funded under 7<sup>th</sup> framework factories of the future programme, has developed technologies oriented to the **extension of machinery life-cycle, component re-use and servitization**. Moreover, it has developed a framework and other support tools to facilitate **new business opportunities** to companies, in particular SMEs. These activities are all contributing towards the development of **Industry 4.0**, in particular with respect to the extension of the manufacturing activities beyond the factory.

This workshop is taking advantage of the results obtained in T-REX and the background knowledge of the participants. Moreover, it also will include experiences from other researchers and practitioners working in these fields, as well as direct feedback from companies interested in extending their servitization and re-use activities. The workshop will have a practical focus highlighting the **technological and organizational barriers** that appears in the transition towards more service oriented business models.

### Agenda




<b>10:00</b>	Welcome and introduction to the workshop (15 min.)
<b>10:15</b>	<b>1<sup>st</sup>. Session – Development of new business models and technologies</b> The session will focus on the role of technologies and business development for servitization and re-manufacturing fostering circular economy and Industry 4.0
	Speakers (15 min. presentations + Q/A)
<b>11:45</b>	<b>Coffee and visit to ULMA shop-floor</b>
<b>12:30</b>	<b>2<sup>nd</sup>. Session – The impact of maintenance</b> The session will focus on the role that advanced maintenance can plan in these new business models
	Speakers (10 min. presentations)
	Session wrap-up – panel discussion (20 min)
<b>14:30</b>	<b>End of the Workshop</b> <b>Snack lunch at ULMA facilities</b>

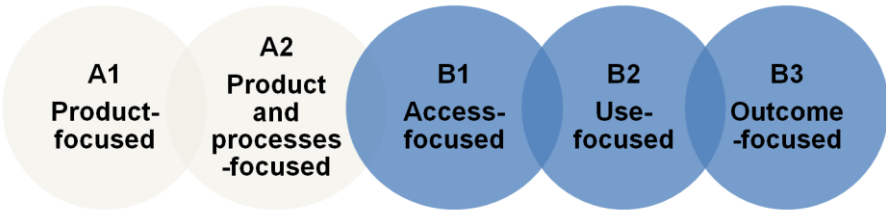


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### Confirmed speakers

<b>Dr. Thomas Meiren - Deputy Director, Business Unit "Service Management", Fraunhofer Institute for Industrial Engineering (IAO)</b>	Re-engineering of services as a tool for increased servitization
<b>Prof. Nicola Sacanni - University of Brescia</b>	Service oriented Business Models - A tool for the transformation of the company
<b>Dr. Jean Baptiste Légér - CEO at Predict</b>	Fleet management as support for advanced maintenance and servitization
<b>Daniele Panarese/Francesco Tamburini-FIDIA/IMATECNO</b>	Extended maintenance & reliability services at machine tools
<b>Mikel Serrano - Fagor Automation - Motorlan</b>	Life-cycle extension of electrical motors through maintenance and re-furbishing
<b>Dr. Bart Kamp - Orchestra - Basque Institute of Competitiveness - Coordinator of Industrial Affairs</b>	Business opportunities related to servitization and PSS – example on machine tools
<b>Asier Agirregomezkorta - R&amp;D manager - ULMA Forklift trucks</b>	Technologies and business transformation to take advantage of the rental market
<b>Xabier Gorritxategi - coordinator of H-ENEA Living Lab and ACEDE</b>	Refurbishing and remanufacturing in Basque country – from home appliances to industry
<b>Dr. Aitor Arnaiz - IK4-TEKNIKER - Intelligent Information Systems</b>	Advanced maintenance solutions and the impact in circular economy
<b>Igor Revilla - B mas I</b>	

A) Ownership-oriented business models	
	T- Rex Business models
B) Service-oriented business models	

