

# Introduction to the ECS Brokerage event organised By AENEAS, EPoSS and Inside

By Caroline Bedran, AENEAS Director General

**ECS BROKERAGE  
EVENT 2022**

18 - 19 January

**ONLINE  
EVENT**

**Aeneas**

**Inside**  
Industry Association

**EPoSS**  
European Association on  
Smart Systems Integration

# ECS Brokerage 2022 Agenda

## Tuesday 18 January 2022

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- 10:00 Welcome & opening  
*Caroline Bedran*
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- 10:10 ECS-SRIA 2021 recap  
*Paolo Azzoni*
- 
- 10:30 KDT Calls 2021-2022 Information  
*Yves Gigase*
- 
- 10:50 Horizon Europe Calls  
*Arian Zwegers*
- 
- 11:10 Smart Network and Services (SNS-JU)  
Calls  
*Alexandros Kaloxylos*
- 
- 11:30 Xecs Calls information  
*Nadja Rohrbach*
- 
- 11:50 SMEs expertise pitches
- 
- 12:20 Lunch
- 
- 13:30 Project idea presentations
- 
- 15:00 Consortia building meetings and online  
project idea exploration

## Wednesday 19 January 2022

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- 09:00 ECS-SRIA 2022 introduction  
*Paolo Azzoni*
- 
- 09:20 Introduction to focus topics in KDT Calls  
*Moderated by Elisabeth Steimetz*
- 09:25 Introduction of focus topics by DG CNECT  
*Arian Zwegers*
- 09:30 Potential focus topics for KDT related IoT and Edge  
*Rolf Riemenschneider*
- 09:40 Potential focus topics for KDT related to Silicon photonics  
*Werner Steinhögl*
- 09:50 Potential focus topics for KDT related to Open source and RISC-V  
*Georgi Kuzmanov*
- 10:00 Potential focus topics for KDT on Decarbonisation  
*Jean-Luc di Paola Galloni*
- 10:10 Introduction of IPCEI on Microelectronics and Communication  
Technologies  
*Christian Ritschel, Denise Günther*
- 10:30 Questions to the audience
- 10:40 Q&A and next steps
- 
- 10:50 Consortia building meetings and online project idea exploration
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- 12:30 Lunch break
- 
- 13:30 Consortia building meetings and online project idea exploration

**ECS**  
BROKERAGE  
EVENT

# Guide to the ECT tool online functionality

Ad ten Berg

# ECS Collaboration Tool

## Pitches & Poster session

- Look through all the ideas presented at the ECS Brokerage 2022 by using the arrows.
- All digital information available:
  - Posters
  - Pitch videos
  - Descriptions

The screenshot displays the ECS Collaboration Tool interface. At the top, the navigation bar includes 'ECS COLLABORATION TOOL', 'PUBLIC', 'COMMUNITY', and 'OFFICE'. Below this, the event title 'ECS BROKERAGE EVENT 2022' is shown, along with navigation links for 'PROJECT IDEAS', 'PARTNER SEARCH', 'MESSAGE BOARD', and 'HELP'. The main content area is titled 'PITCHES & POSTERS' and features a 'Webinar & Break outs' button and a 'Partner Search' button. The featured pitch is '1: 3-CLICK DIGITAL TWIN', with a sub-header '3-click Digital Twin PITCH'. A video player shows a pitch video. Below the video is a 'POSTER' section displaying a PowerPoint presentation slide titled '3-click Digital Twin' with the ECS Collaboration Tool logo. The 'SHORT DESCRIPTION' section provides details about the digital twin technology for the SME community, mentioning ISO 10303 and the Eclipse Arrowhead Framework.

**1: 3-CLICK DIGITAL TWIN**  
3-click Digital Twin  
PITCH

**POSTER**

**3-click Digital Twin**

**SHORT DESCRIPTION**  
3-click Digital Twin for the SME community  
To achieve the 3-click Digital Twin for the SME community, control of and access to product data is paramount. Simplified, the user will just (Click 1) upload their CAD/STEP model to automatically create the product breakdown structure, (Click 2) mount the appropriate sensors on the product and (Click 3) configure the IoT consumer/producer software to obtain a fully operational Digital Twin instantly. Using this concept, we will be able to reduce the cost for SMEs and democratize the use of advanced Digital Twin technology.  
The implementations will be achieved by the combination of an ISO 10303 repository and the Open Source ECLIPSE Arrowhead Framework for IIoT/CPS integrations. The concepts have already been demonstrated in a technology take-up activity and will now be brought out the SME manufacturing industry.  
Product data shall give all parties, that is, manufacturer, suppliers and customers, instant insight into the product aspects of their interest. For example, manufacturers need production progress status and feedback from operations to optimize their processes, suppliers need updated production plans to schedule their deliveries, and customers need product configurations and delivery dates. Respective data will in this project be collected from various engineering applications and from many sensors, which are located on the manufacturing and test sites and mounted to the product and its components. This central data sharing role is provided by combining standardization and product lifecycle management (PLM). Standardization to a single industrial data format enables data interoperability. The data model of ISO 10303, STEP, is rich enough to cover most of the industrial domain of this project. The project will apply, validate and enrich the capabilities of STEP as needed and combine them with technologies and standards for digital twins, such as, ISO 23247, "Digital Twin manufacturing framework". Thus, data from the engineering applications will be converted and merged to a single STEP representation to build the comprehensive product data repository, which the various users can send their queries to. Data management of the repository will be done by a ISO 10303 product lifecycle management (PLM) and the Arrowhead Framework. The use of the project innovations will, thus, enable optimization of upstream manufacturing processes, like design, engineering analysis and process planning and sensor data received from the Digital Twin

[View idea: 1: 3-click Digital Twin](#)

# ECS Collaboration Tool

## Partner Search

- **Search**
  - Search on expertise, country, organisation or specific keywords
- **Network**
  - Request contact information
  - Invite them to your project idea
- **Connect**
  - If they accept, their contact information will be shown in their profile

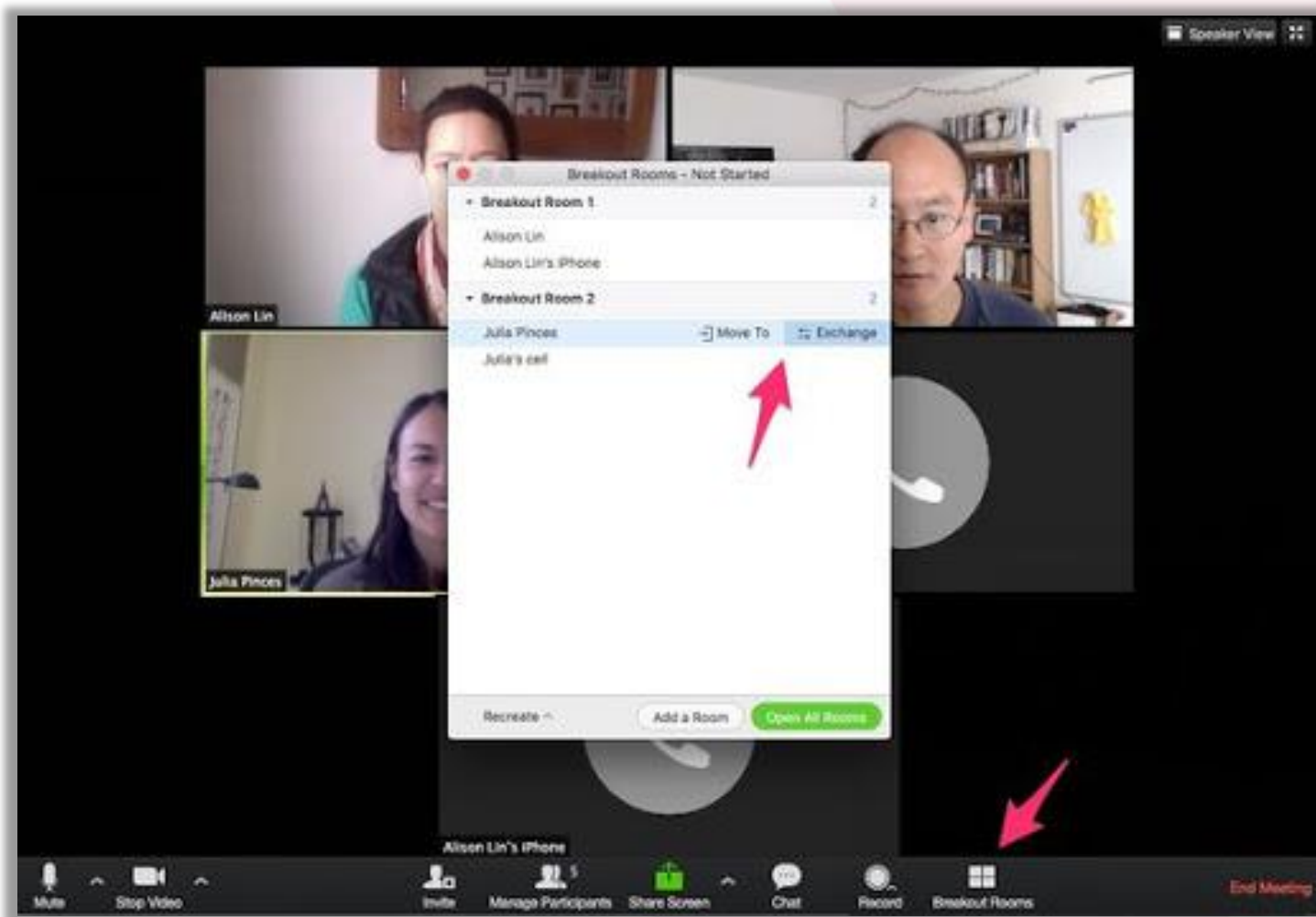
The screenshot displays the 'PARTNER SEARCH' interface of the ECS Collaboration Tool. At the top, there is a navigation bar with links for 'PUBLIC', 'COMMUNITY', and 'OFFICE'. Below this, the page title 'PARTNER SEARCH' is followed by tabs for 'Partner Search', 'Saved Searches', and 'Participant search'. A search bar is present with 'Search', 'Reset', and 'Save Search' buttons. Below the search bar, a message states: 'Here you can find all contacts that have their profile publicly available. If you click on a contact, you can invite them to join your idea.' The results show '965 items on 97 pages'. On the right side, there are filter sections for 'Events' (with 'ECS Brokerage Event 2022 [153]' selected), 'Organisation type' (with various categories like 'Unknown [304]', 'Research institute [203]', etc.), and 'Country' (with 'Germany [137]', 'Turkey [108]', etc.). The main content area is a table of search results with columns for 'Contact', 'Organisation', and 'Country'. Each row includes a profile picture, a name, an organization name, and a country.

Contact	Organisation	Country
	Koç Finansman A.Ş.	Turkey
	TUBITAK	Turkey
	Doğuş Teknoloji	Turkey
	DAIICHI	Turkey
	Otokar Automotive and Defence Industry Inc.	Turkey
	ACTUATE INNOVATION	Turkey
	Spacemetric	Sweden
	ams Sensors UK	United Kingdom
	Delft University of Technology	Netherlands
	Mälardalen University	Sweden

# ECS Brokerage 2022

## Break out rooms

- Each project idea in ECT, has its own Breakout room open after 15:00
- Breakouts are named after the project ideas
- **Breakouts are only available in the most recent version of the Zoom app!!**
- Breakouts are not available in a browser.



# ECS BROKERAGE EVENT

# Thank you.

I wish you all a productive and fruitful event!



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[info@inside-association.eu](mailto:info@inside-association.eu)

[contact@smart-systems-integration.org](mailto:contact@smart-systems-integration.org)