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| <b>Treelogic</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Parque Tecnológico de Asturias, parcela 30<br>Llanera<br>0034 985 966 136<br>www.treelogic.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 33428<br>Asturias                            | Parque Tecnológico de Asturias, parcela 30<br>Llanera<br>0034 985 966 136<br>www.treelogic.com |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>▲ <b>Descripción entidad (5 líneas)</b></p> <p>Treelogic es una compañía que trabaja bajo un esquema de innovación abierta, para proporcionar a nuestros clientes soluciones TIC avanzadas, ayudándoles a optimizar sus procesos y mejorar su negocio. Participamos en la definición de proyectos de carácter internacional y destacamos en el panorama español por presencia y liderazgo en el programa europeo de I+D Horizonte 2020. Hemos participado en 19 proyectos europeos, incluyendo proyectos FP7, H2020 y Eurostars-Eureka, habiendo coordinado 12 de estos. Nuestra diferenciación tecnológica se centra en nuestro conocimiento avanzado en Big Data, Visión por Computador y Data analytics.</p>                                                                                                |                                              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>▲ <b>Principales actividades y productos (en el área de movilidad segura más autónoma)</b></p> <p>Treelogic ofrece varios productos relacionados con el área de transporte:</p> <ul style="list-style-type: none"><li>- <b>NAOS</b> permite a las empresas de taxis captar y gestionar más usuarios optimizando el coste de operación a través de la gestión global de flotas y el despacho automatizado de carreras. Esta proporciona posicionamiento, comunicación y soluciones de despacho de servicios adaptadas a las necesidades del sector.</li><li>- <b>HEKA</b> proporciona soluciones para los servicios públicos (policía, sanidad y servicios municipales) permitiendo la localización, comunicación, gestión de tareas y alertas e información histórica de los recursos monitorizados.</li></ul> |                                              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>▲ <b>Proyectos relacionados</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p><b>BRAVE</b><br/><i>BRidging gaps for the adoption of Automated Vehicles</i></p> <p><b>Budget:</b> 2.990.538,28 €<br/><b>Duration:</b> 06/2017-05/2020<br/><b>Programme:</b> H2020-ART-2016-2017<br/><b>http://www.brave-project.eu/</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Líneas API cubiertas por el proyecto:</b> |                                                                                                | <p><b>Descripción y objetivos: (4 líneas)</b></p> <p>El proyecto BRAVE se centra en mejorar la confianza de los usuarios al utilizar vehículos dotados con tecnologías de automatización nivel 3 -sistema de conducción autónoma en entornos controlados, pudiendo solicitar al conductor que retome el control del vehículo-, facilitando así su rápida adopción en el mercado.</p> <p><b>Participantes:</b></p> <p>Treelogic Telemática y Lógica Racional para la Empresa Europea S.L. (Spain) [Coordinator]<br/>Swedish National Road and Transport Research Institute (Sweden)<br/>Union Technique de l'Automobile, du motorcycle et du Cycle (France)<br/>Institut fuer empirische Soziologie an der Universitaet Erlangen-Nuernberg (Germany)<br/>University of Alcalá – Computer Engineering Department (Spain)<br/>Fraunhofer IAO – Vehicle Interaction Lab (Germany)<br/>Mov'eo Cluster (France)<br/>Avto-moto zveza Slovenije (Automobile and Motorcycle Association of Slovenia) (Slovenia)<br/>Automòbil Club Assistència S.A.U. (Spain)<br/>The University of California Berkeley – Institute of Transportation Studies (PATH) (USA)<br/>University of Sydney – Australian Centre for Field Robotics (Australia)</p> <p><b>Resultados obtenidos:</b></p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1. Seguridad                                 | <b>1,<br/>9,<br/>10</b>                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2. Vehículo conectado                        | <b>3</b>                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                                                                                                                                                                                                                                                                                                                           |                                              |      | Proyecto en desarrollo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>iTrack</b><br><i>Integrated system for real-time TRACKing and collective intelligence in civilian humanitarian missions</i><br><br><b>Budget:</b> 3.999.212,56€<br><b>Duration:</b> 05/2016 – 04/2019<br><b>Programme:</b> H2020-BES-2015<br><a href="http://www.itrack-project.eu/">http://www.itrack-project.eu/</a> | <b>Líneas API cubiertas por el proyecto:</b> |      | <b>Descripción y objetivos:</b> (4 líneas)<br>El proyecto propone una solución integrada de localización y seguimiento, aplicable a personas, vehículos u otros objetos, en el contexto de misiones humanitarias. iTRACK además propone incluir en la solución aspectos de planificación y optimización (logística y gestión de rutas), estimación de riesgos, y análisis y detección temprana de potenciales amenazas. Este entorno tiene desafíos que hacen que soluciones comerciales a día de hoy no sean fácilmente desplegables, por requisitos tales como bajo coste (e.g. para su uso por ONG), seguridad y robustez en las comunicaciones (teniendo en cuenta que redes habituales pueden haber quedado afectadas, saturadas, o en manos de organizaciones “no deseadas”), o no disponibilidad de infraestructuras, entre otros.<br><br><b>Participantes:</b><br>University of Agder (Norway) [Coordinator]<br>Trilateral Research & Consulting (UK)<br>Treelogic (Spain)<br>K-Now Ltd (UK)<br>Teleplan Globe (Norway)<br>SVENSKA HANDELSHOGSKOLAN (Finland)<br>INTRASOFT International (Luxemburg)<br>Teknova AS (Norway)<br>ARTTIC (France)<br>Delft University of Technology / Technische Universiteit Delft (Netherlands)<br>World Food Programme (Italy)<br>Information Management and Mine Action Programs Inc. (USA)<br><br><b>Resultados obtenidos:</b><br>Proyecto en desarrollo |
|                                                                                                                                                                                                                                                                                                                           | 1. Seguridad                                 | 8    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                           | 2. Vehículo conectado                        | 2, 6 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| <b>Treelogic</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Parque Tecnológico de Asturias, parcela 30<br>Llanera<br>0034 985 966 136<br>www.treeologic.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 33428<br>Asturias                        | <b>Contact:</b><br>David Pérez Pancho<br>R&D Senior Consultant<br>david.p.pancho@treeologic.com |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>▲ <b>Description (5 líneas)</b></p> <p>Treelogic is R&amp;D Spanish company working within an open innovation model to provide our customers with advanced ICT solutions, helping them to optimize their processes and improve their business. We have participated in 19 European projects, including FP7, H2020 and Eurostars-Eureka projects, being the coordinator of 12 of them. Our technological differentiation relies on our expertise in Artificial Intelligence, specifically, Big Data, Computer Vision and Data Analytics.</p>                                                                                                                                                                                                                                                                                                                                                                 |                                          |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>▲ <b>Main activities and products (en el área de movilidad segura más autónoma)</b></p> <p>Treelogic offers several products in the field of transport:</p> <ul style="list-style-type: none"><li>- <b>NAOS</b> allows taxi companies to attract and manage more users while optimizing the operational costs through global fleet management and automated dispatch of journeys. It provides positioning, communication and dispatching solutions adapted to the necessities of this sector.</li><li>- <b>HEKA</b> provides solutions for public services (police, health and municipal services) allowing location, communication, task and alert management and historic information of monitored resources.</li></ul> <p>Treelogic also provides services related with its computer vision capabilities, allowing traffic detection and control, passenger gesture and face recognition and others.</p> |                                          |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>▲ <b>Related projects (añadir tantas filas como sea necesario por número de proyectos)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>BRAVE</b><br><i>BRiding gaps for the adoption of Automated Vehicles</i><br><br><b>Budget:</b> 2.990.538,28 €<br><b>Duration:</b> 06/2017-05/2020<br><b>Programme:</b> H2020-ART-2016-2017<br><b>http://www.brave-project.eu/</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>SRA lines covered by the project:</b> |                                                                                                 | <b>Description and objectives: (4 líneas)</b><br>Brave project aims to promote an increased confidence in automated vehicles by the society. In particular, it promotes the acceptance of automated vehicles SAE level 3 -the driving mode-specific performance by an automated driving system of all aspects of the dynamic driving task with the expectation that the human driver will respond appropriately to a request to intervene- facilitating its quick market adoption.<br><br><b>Participants:</b><br>Treelogic Telemática y Lógica Racional para la Empresa Europea S.L. (Spain) [Coordinator]<br>Swedish National Road and Transport Research Institute (Sweden)<br>Union Technique de l'Automobile, du motocycle et du Cycle (France)<br>Institut fuer empirische Soziologie an der Universitaet Erlangen-Nuernberg (Germany)<br>University of Alcalá – Computer Engineering Department (Spain)<br>Fraunhofer IAO – Vehicle Interaction Lab (Germany)<br>Mov'eo Cluster (France)<br>Avto-moto zveza Slovenije (Automobile and Motorcycle Association of Slovenia) (Slovenia)<br>Automòbil Club Assistència S.A.U. (Spain) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3. Safety                                | 1, 9, 10                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4. Connected car                         | 3                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                                                                                                                                                                                                                                                                                                                                             |                                          |     | <p>The University of California Berkeley – Institute of Transportation Studies (PATH) (USA)<br/>University of Sydney – Australian Centre for Field Robotics (Australia)</p> <p><b>Results:</b><br/>Already active</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p><b>iTrack</b><br/><i>Integrated system for real-time TRACKing and collective intelligence in civilian humanitarian missions</i></p> <p><b>Budget:</b> 3.999.212,56€<br/><b>Duration:</b> 05/2016 – 04/2019<br/><b>Programme:</b> H2020-BES-2015<br/><b><a href="http://www.itrack-project.eu/">http://www.itrack-project.eu/</a></b></p> | <b>SRA lines covered by the project:</b> |     | <p><b>Description and objectives:</b> (4 líneas)<br/>TRACK is designed to be a cost effective open source system, supporting organisations where resources may be limited. To further facilitate its uptake by humanitarian organisations operating conflict and disaster missions, we design technology and policies in with humanitarian practitioners with pilot applications with the World Food Programme and iMMAP in on-going conflict disasters in the Middle East.</p> <p><b>Participants:</b><br/>University of Agder (Norway) [Coordinator]<br/>Trilateral Research &amp; Consulting (UK)<br/>Treeologic (Spain)<br/>K-Now Ltd (UK)<br/>Teleplan Globe (Norway)<br/>SVENSKA HANDELSHOGSKOLAN (Finland)<br/>INTRASOFT International (Luxemburg)<br/>Teknova AS (Norway)<br/>ARTTIC (France)<br/>Delft University of Technology / Technische Universiteit Delft (Netherlands)<br/>World Food Programme (Italy)<br/>Information Management and Mine Action Programs Inc. (USA)</p> <p><b>Results:</b><br/>Already active</p> |
|                                                                                                                                                                                                                                                                                                                                             | 1. Safety                                | 8   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                             | 2. Connected car                         | 2,6 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |