

FICHE PROJET de RECHERCHE

PROJET ACCEPTE¹



Projet Européen : **H2020**



Acronyme : **DIH4CPS**

Titre long EN: Fostering **DIHs** for Embedding Interoperability in **Cyber-Physical Systems** of European SMEs

Date de début : 01/01/2020

Durée (en mois) : 36 mois

Site web : <https://dih4cps.eu/>

Rôle du DISP : développement de concepts et d'applications pour l'analyse des données patients et la création de services personnalisés pour favoriser l'adhésion au traitement des patients en soin à domicile.
Entreprise partenaire : **Linde HomeCare France.**

Porteur du projet,

Affectation (Laboratoire/Etablissement/Pays ou Entreprise/Pays) : Uninova (Portugal)

NOM Prénom : Prof. Ricardo Jardim Gonçalves

Pour le DISP,

Correspondant (NOM Prénom) : **Pr Néjib MOALLA**

Etablissement gestionnaire : ☐ INSA ☐ Lyon 1 ☒ Lyon 2 ☐ EMLyon ☐ INSAVALOR ☐ autre :

Lieu de réalisation : ☐ INSA ☐ Lyon 1 ☒ Lyon 2 ☐ EMLyon

Autre(s) participant(s) DISP (NOM Prénom) : Yacine OUZROUT, Aicha SEKHARI

Autre(s) partenaire(s) (Laboratoire/Etablissement/Pays ou entreprise/ Pays) :

Nbr	Partners_List	Country
1	1 UNINOVA-INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS-ASSOCIACAO	PT
2	LABORATOIRE VIRTUEL EUROPEEN DANS LE DOMAINE DE L'INTEROPERABILITE DES ENTREPRISES	BE
3	BIBA - BREMER INSTITUT FUER PRODUKTION UND LOGISTIK GMBH	DE
4	POLITECNICO DI MILANO	IT
5	CONTROL 2K LIMITED	UK
6	ASOCIACION DE EMPRESAS TECNOLOGICAS INNOVALIA	ES

¹ Fiche à renvoyer à disp@insa-lyon.fr dès l'acceptation du projet accompagné des documents de notification

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7	KNOWLEDGEBIZ CONSULTING-SOCIEDADE DE CONSULTORIA EM GESTAO LDA	PT
8	INSTITUTO TECNOLOGICO DE INFORMATICA	ES
9	LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	LU
10	UNIVERSITE DE LORRAINE	FR
11	UNIVERSITE LUMIERE LYON 2	FR
12	UNIVERSITAT POLITECNICA DE VALENCIA	ES
13	Innomine Digital Innovation Hub Nonprofit Kft	HU
14	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK	PL
15	MEWS INNOVATION	FR
16	SWMS Consulting GmbH	DE
17	Polyplan GmbH	DE
18	LINDE HOMECARE France	FR
19	Chambre de Commerce et d'Industrie des Vosges	FR
20	Syndicat national des moniteurs de ski français	FR
21	Evogy srl	IT
22	CONSORZIO INTELLIMECH	IT
23	Miraitek S.r.l.	IT
24	DATAPIXEL SL	IT
25	KUMO TECHNOLOGIES SL	ES
26	MULTISCAN TECHNOLOGIES SL	ES
27	PRODUTECH-ASSOCIACAO PARA AS TECNOLOGIAS DE PRODUCAO SUSTENTAVEL	PT
28	BRC LIMITED	UK
29	LUXMOBILITY S.A.R.L.	LU
30	FORA FOREST TECHNOLOGIES SLL	ES
31	DSS CONSULTING INFORMATIKAI ES TANACSADO KFT	HU
32	"4S-2000" Termelo és Kereskedelmi Korlatolt Felelossegu Tarsasag	HU
33	Digital Manufacturing Innovation Hub Wales	UK

Budget total du projet : HT 9 158 683

Budget DISP : HT 193 875

Subvention total du projet (EU) : HT 7 999 333

Subvention DISP : HT 193 875

Origine du financement : ☒ Public ☐ Privé

Listes des financeurs (financeurs, pourcentage du budget pris en charge) : **Commission Européenne**

Résumé EN :

The initiative for Fostering DIHs for Embedding Interoperability in Cyber-Physical Systems of European SMEs (DIH4CPS) will help European enterprises overcome these innovation hurdles and establish Europe as a world leading innovator of the Fourth Industrial Revolution. DIH4CPS will create an embracing, interdisciplinary network of DIHs and solution providers, focussed on cyber-physical and embedded systems, interweaving knowledge and technologies from different domains, and connecting regional clusters with the pan-European expert pool of DIHs. Backed by the IVLab, an experienced and well-established network organisation focussed

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on Interoperability, DIH4CPS can innately build on an extensive existing network, add value to its existing knowledge transfer capabilities and guarantee the sustainability of the growing DIH network.

DIH4CPS expands the already existing network and aims for creating an integrated platform for DIHs from different, especially digitally underdeveloped sectors and regions. A selection of eleven initially starting application experiments guarantees an outstanding funding for European SMEs and Mid-Caps right from the start and demonstrates the high dedication of the consortium to reduce the digital divide. At least ten additional experiments will take up that torch during the project and allow external companies from sectors in need to further exploit the DIH4CPS network and uplift their portfolio, especially by including (semi)-autonomy into their products and systems. DIH4CPS will not only benefit the application experiments but also the individual DIHs by significantly complementing the regional investments made. Implemented in the IVLab structure, the DIH4CPS Network will leverage and sustain its impact far beyond the project duration, creating a vibrant, overarching and cross sector one-stop-shop for collaboration between SMEs, DIHs and Tech providers.

Mots-clés EN : Embedded computing, Cyber-physical systems, Internet of Things