HOME CARE TECHNOLOGIES: PREDICTION AND PREVENTION ALL-IN-ONE SENSOR PROJECT		
Organisation(s):	Barcelona Provincial Council	
Country:	Spain	
Contact:	policy@esn-eu.org	
Theme:	☒ Ageing & Care ☐ Asylum & Migration ☐ Young People ☐ Support for Children & Families ☐ Community Care ☐ Co-Production ☐ Disability ☐ Housing & Homelessness ☐ Artificial Intelligence ☒ Digitalisation ☐ Integrated Care & Support ☐ Quality Care	☐ Labour Market Inclusion ☐ Social Inclusion ☒ Technology ☐ Workforce and Leadership ☐ Social benefits ☐ EU Funding ☐ Social Service's Resilience ☐ Mental Health ☐ Person-centred Care ☐ Other, please specify:
Principles of the European Pillar of Social Rights: *Check the 20 principles here.*	☐ 1. Education, training, life-long learning ☐ 2. Gender equality ☐ 3. Equal opportunities ☐ 4. Active support to employment ☐ 5. Secure and adaptable employment ☐ 6. Fair Wages ☐ 7. Transparent employment conditions ☐ 8. Social dialogue ☐ 9. Work-life balance ☐ 10. Healthy, safe work environment	☐ 11. Childcare and child support ☐ 12. Social protection ☐ 13. Unemployment benefits ☐ 14. Minimum income ☐ 15. Old age income and pensions ☒ 16. Health care ☐ 17. Inclusion of people with disabilities ☒ 18. Long-term care ☐ 19. Housing and assistance to homeless ☐ 20. Access to essential services
Current status of the practice:	☐ Concept and Design Phase ☐ Execution & Monitoring Phase ☒ Consolidation Phase ☐ Scaling Up and Transformation Phase ☐ Other (please specify)	
Context/ Social issues addressed	The "All in One Sensor" project- is a project that incorporates monitoring, learning and prediction functions and advances in the construction of predictive and cognitive telecare of the future. The proposal is based on the installation of a set of	

Please explain the problem you attempt to solve.	non-intrusive sensors to monitor the behaviour of people in their homes and alert them when there is a deviation in their habits or behavioural patterns. Deviations related to energy consumption, not leaving the room, walking much more slowly, doing activities late at night, etc., could indicate a worsening of health conditions, whether physical, cognitive, mental or emotional, in older people living alone. The scheme also develops a virtual programme for the prevention of cognitive deterioration that allows action to be taken when a cognitive deterioration alert occurs.
Objectives: *Please provide **a maximum of three** objectives in bullet points.*	Based on the alerts detected, the aim is for the telecare service: 1. to be able to intervene early, more quickly and efficiently and, in the long term, to build a holistic service for monitoring behavioural habits that will enable the management of public policies for the allocation of services adapted to the reality of each territory of a predictive nature. 2. to stimulate and maintain cognitive functions through a programme of exercises and monitoring of cognitive areas for people in situations of fragility, disability or dependence who are users of the Barcelona Provincial Government's Local Telecare Service.
Activities: *Please summarise the activities put in place to achieve the objectives (maximum 200 words).*	The All-in-one sensor: • It configures a new behavioural habit management service via the installation of a host of sensors fitted inside homes. • It offers advanced monitoring, learning and prediction functions. • It allows resources to be set in motion: a digital cognitive stimulation platform. • This is an Artificial Intelligence (IA) project based on the Internet of Things (IoT): devices “speak” to one another beyond the two-way connection of each device with the terminal.
Evaluation of practice: *Please explain how you evaluate the practice and what the results were/are so far*	
Links to supporting documents: *e.g. website or report of the practice*	https://www.diba.cat/es/web/teleassistencia/que-es-la-teleassistencia
Comments and tips *i.e. for people willing to use your Practice*	