

# INOVATELL, INOVAtive Touchless tEchnologies in Lifelong Learning, for people with severe disabilities

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## Background

This fact sheet reports on the EU-funding project INOVATELL, INOVAtive Touch less tEchnologies in Lifelong Learning for people with severe disabilities, running until September 2015.

With this project the partners want to develop and implement a technological solution that will help people with limited hands functionality to participate in lifelong learning process by remotely controlling specialised software using only hand or head functions. Persons with altered neuro-musculoskeletal and movement-related functions, who cannot use or have difficulties to use standard keyboard or mouse because of restrictions in moving hands, typing or clicking mouse buttons.

The project will provide tools – technological and training content – in order to make ICT learning accessible and to eliminate technological barriers to develop ICT skills. The touch less technology is a useful tool to eliminate the limitations of upper limbs and hand functionality. It will be used only the hand and head small movements to access the computer or tablet.

The expected impact is that the remotely controlled specialised software will improve the quality, accessibility and efficiency of the vocational training and rehabilitation programmes for people with severe disabilities.

## Activity Report

The project work packages concern the following activities:

- To identify an assess functional capacities of people with severe movement disabilities and actual needs for basic digital literacy related training in Lithuania, Portugal and Slovenian;
- To transfer and localize integrated INOVATELL technological solution as the touch less hand and head gesture controlled learning tool;
- Transfer, localize and supplement learning content to match the practical needs of the target group in the context of individual user needs assessment and analysis and user centred design principles;
- Extensively test technological solution and learning content with a test group of risk group representatives and adjust solution and contents according to the testing results;
- Create all the necessary documentation describing transfer methodologies and technology and make these materials readily available on the web.



The computer basic skills training programme, as learning content, is developed by the partnership, and will be in four languages: English, Lithuanian, Portuguese and Slovenian. The programme is focused on the Windows 8, Microsoft Office (Word, PowerPoint and Excel) and Internet (search, e-mail and web applications).

The required equipment is a Windows 8 mobile or desktop computer with webcam, built-in or standard and the software tool and training programme will be available for free download.

## Conclusions

The technological tool and the learning content are developed. In 2015, from January until May, the project partners will carry on the pilot testing, doing usability tests for the tool and the learning programme. Two trainers per pilot site will be trained in using the INOVATELL tool and the learning programme and 18 users will test both INOVATELL products.

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## References

Project site: [http://www.adam-europe.eu/prj/11110/project\\_11110\\_en.pdf](http://www.adam-europe.eu/prj/11110/project_11110_en.pdf)

Project Coordinator site:

[http://www.reabilitacija.lt/en/c2/ongoing/innovatell\\_inovative\\_touchless\\_technologies\\_in\\_lifelong\\_learning\\_for\\_people\\_with\\_severe\\_disabilities/](http://www.reabilitacija.lt/en/c2/ongoing/innovatell_inovative_touchless_technologies_in_lifelong_learning_for_people_with_severe_disabilities/)

[http://www.reabilitacija.lt/en/products/project\\_innovatell\\_for\\_better\\_accessibility\\_of\\_vocational\\_training\\_for\\_people\\_with\\_limited\\_hands\\_functions/](http://www.reabilitacija.lt/en/products/project_innovatell_for_better_accessibility_of_vocational_training_for_people_with_limited_hands_functions/)

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