**OPEN INNOVATION LAB - UDJG**

**Annex 4 – Challenge no. 23**

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| 1. **Name of the challenge** *(short, powerful and inspiring description):*
* ***Macin Mountains – Android App allows you to download trail guides and maps, to find information, to plan your treks.***
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| 1. **Context*:*** *(what is the background information behind the challenge, what is the state of the art of the sectors, the role of the organization in this context, the target group to whom the solution need to be addressed, etc.)*

*People's desire to know interesting information about the places they visit, to give more meaning to their open air activities has led to the need of development of an application that displays information about points of interest in a specific area.* *The Macin Mountains are the oldest mountains in Romania and they are located in the vicinity of the Danube river. In the area of Macin Mountains it is a National Park offering protection for natural and historical treasures. The Park propose access to a wide range of tourists interested in trekking, hiking, biking; landscapes, flora or fauna watching; visiting Museum about local culture and geology.* *Application adds values through promotion of the Măcin Mountains, a very beautiful area not yet promoted in this way. The displayed information tries to encourage and motivate the user to enjoy nature and protect the environment by exposing, in a friendly manner, the fragility of places and living creatures that live there.* |
| 1. **Problem:** (*what i*s *the problem that needs to be solved, why is important to solve, impact of this problem in the close future, impact of the problem on local or international area)*

*To create an Android application, with a friendly and easy-to-use interface, for promoting* *The Macin Mountains. Features: work online for download maps, work offline without mobile and data signals for presenting information, design maps for trekking/hiking/cycling, scan QR code located in point of interest and disply info, use camera and location of mobile device, help the user to move into the landscape, to estimate time and distances.*  |
| 1. **Additional info (for internal use):** *(what is expected to be delivered by the team (idea/concept/prototype), what are the specific tools & instruments that shall be used (e.g. Programing language etc.), what are the asset (as: knowledge, materials) will be given to the team.*

*Final product will be a fully functional Android application***.**  |
| 1. **Skills of the team** (optional for the seeker, but useful for internal use)**:** *what specific skills shall the team have in order to address the challenge.*

*Java/Android programming skills*  |
| 1. **About the Seeker:**

**- Description of company/institution:***The Macin Mountains National Park (MMNP) has a surface of 11,151.82 hectares in Tulcea County. The Administration and Museum is located in the village of Greci. http://www.parcmacin.ro/en/acasa***- Description of the specific unit/department/function** that opens the challenge and how the challenge will be integrated in the company vision: *The National Park Administration aim is to promote the sustainable tourism in the Macin area, to educate people about environment protection.*  |