

Distribution Monitoring and Management

Manage Business Related Factors Search Engine Expert Fusion-based Recommender Expert

/dev **App Providers** CATAPPULT

publishing

AppStore Business Factors

Semantic Search Engine

KPIs / Learning **Operation Rules**

Semantic Matching and Disambiguation

Entity Recognizer

Automatic Knowledge Learning

App Store Search Engine Integration

KPIs

related metadata

Fusion-based Recommender System **Operation Rules**

Filter and Combination

Fusion-based Recommender

Services

App Store Contact Points Homepage, App Bundles, App View

App Discovery

Pseudo Anonynimization Layer Encoding/Decoding Users Private Data

App Usage and

User Context

Multicriteria App

Multicriteria User

Profiling

Profiling

Search apps in the App Store **Aptoide** **Discover Apps** browsing the S

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Project Code LISBOA-01-0247-FEDER-039703

Region of Intervention

Beneficial Entity Caixa Mágica S.A.

Approval Date

26.05.2020

Start Date 01.05.2019

Conclusion Date

30.09.2021

Total Eligible Cost

795.029,80 EUR

European Union Financial Support FEDER - 318.011,92 EUR

National/Regional Financial Support Not Applicable

Intelligent App Distribution Towards an Optimized App Discovery

Objectives, activities and expected results

App Recommender aims to investigate and develop technologies capable of offering a certain application, to the right customer, at the right time, thus optimizing the distribution and discovery services of current applications, and fostering an optimized approach between companies and their target customers.

To this end, a multi-criteria recommendation system and a semantic search engine are offered as technologies. The promoting consortium consists of Caixa Mágica Software SA and ISCTE Instituto Universitário de Lisboa, bringing together the technical and scientific skills for its development. The probability of success of the scientific results found will be between 60% to 80% (medium-high%).

Impact

The project aims to have impact on the mobile app consumers, mobile app publishers and on the Aptoide app store, though Caixa Mágica, current lead promoter of this project that will bring the results to the market.

For the consumers, the impact will be in the ease of use, efficiency and satisfaction in the discovery of apps, because of the improved alignment between their needs, characteristics and context with the apps offered by the app store.

For developers and companies that promote mobile apps, the impact will be in the improved proximity to their targeted audience, optimizing the user acquisition and retention, and inherently the commercial success.

For Caixa Mágica and Aptoide, the impact will be on the optimized quality of service provided to consumers and companies, and in the consequent increase of the number of apps submitted to the store, active users and revenue.