**DOCUMENTATION OF EXAMPLE “ON-BOARDING PROJECT” FOR “AI-EFFECT”**

**OBJECTIVE:**

The objective of this documentation is to provide a detailed guide on the example onboarding process of the "Energy Prediction" model on the AI4EU platform. This includes creating an account, setting up the model, and ensuring it is ready for use within the AI4EU ecosystem. The steps are further explained by screenshots to ease the understanding process and provide visual support.

**INTRODUCTION:**

The AI4EU platform is a comprehensive ecosystem designed for easier collaboration and innovation in artificial intelligence. It provides tools and resources for developing, sharing, and deploying AI models. This documentation outlines the step-by-step process for onboarding a new project onto the AI4EU platform, specifically focusing on the example "Energy Prediction" model developed by our team WP. 3.1.

**CONTEXT:**

The "Energy Prediction" model aims to predict energy consumption based on various building features such as type, square footage, number of occupants, and average temperature. The model is designed to assist in optimising energy usage and reducing costs for large-scale facilities. The onboarding process ensures that the model is properly integrated into the AI4EU platform, making it accessible to users for further development and collaboration.

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**ONBOARDING PROJECT AND THE STEPS UNDERTAKEN:**

**STEP 1: CREATING AN ACCOUNT ON THE PLATFORM**

* Navigate to the AI4EU platform website and click on the "Sign Up" button located at the top right corner of the homepage or “Sign In” if you already have an account.
* Fill the required details such as name, email address, and password.
* Verify your email address by clicking on the link sent to your registered email.

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**STEP 2: ACCESSING THE ON-BOARDING MODEL SECTION**

* After logging in to the platform, click on the dashboard section to navigate the "On-Boarding Model" section under the "LEADERBOARD" menu.
* The Leaderboard menu provides access to various sections like the “Onboarding model”, the “Design Studio” and “My Models”, which are related to model management and collaboration.
* Thus giving access to initiate and manage the process of adding a new model to the AI4EU platform.

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**STEP 3: CREATING A NEW MODEL**

* Click on "Create Solution” in the "On-Boarding Model" section and fill in the model details, including the model name and Docker URI.
* And upload the Protobuf file that defines the model's interface and its services.
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**STEP 4: ADD DATA SOURCES AND DOCUMENTATION**

* Add artifacts, such as data sources or additional documentation, and ensure all required fields, including the license profile and model description, are filled out.
* Include the Protobuf files “energy.predict\_modelproto” and “energy.db\_modelproto” which define the model's data structures and services.

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**STEP 5: REVIEW AND ONBOARD THE MODEL**

* Review all the information which are provided for the "EnergyPrediction" model.
* Click on "On-Board Model" to finalize the onboarding process and the model will now be available in the private catalogue for further use and collaboration for users.

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**STEP 6: VIEWING THE ONBOARDING HISTORY**

* Navigate to the "Onboarding History" section to view the history of all onboarded models to help with the onboarding documentation and to view the details of each onboarding process.

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**TECHNICAL TERMS USED:**

* DOCKER URL: To identify a Docker image, which is used to deploy containerized applications.
* PROTOBUF: It is a method for serializing structured data which is used for defining the model's interface and services.
* ONBOARDING: It is the process of integrating a new model into the AI4EU platform.
* ARTIFACTS: Additional files or data required for the model, such as documentation or datasets.

**CONCLUSION:**

By following these steps, we successfully onboarded the "Energy Prediction" model onto the AI4EU platform. This documentation acts as a guide to ensure a smooth and efficient onboarding process and help new users in easing up the learning process. The model is now ready for further development, testing, and deployment within the AI4EU ecosystem.

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