

WP5 'PROTEIN AI Advisor'

Overview



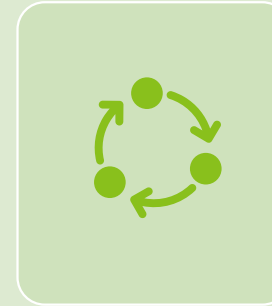
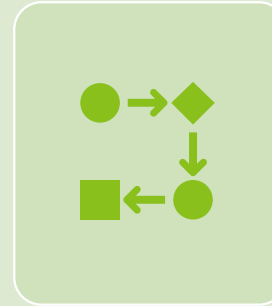
Recommender system

Reasoning DS system

Re-adaptation system

DL knowledge system

Early warning system



A food and activity recommender system that suggests appropriate dietary and physical activity plans to the user

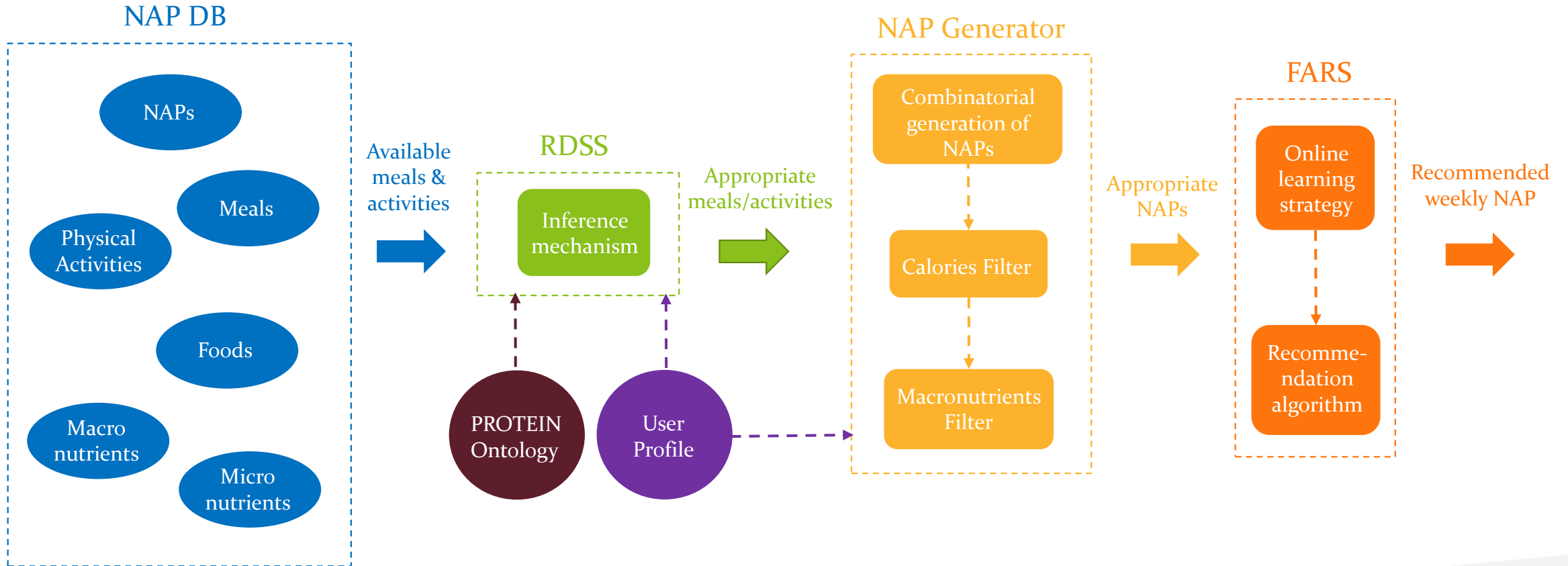
A reasoning-based decision support system that provides nutrition and physical activity advice

A readaptation manager that adjusts dietary and physical activity plans based on user's daily food intake and physical activity

A system that extracts knowledge by analysing large amounts of collected data through deep learning based techniques

A system that issues warnings related to eating deficiencies, suboptimal eating patterns, or the health status of the user

WP5 'PROTEIN AI Advisor' Recommendation workflow



NAP: Nutrition and activity plan; RDSS: Reasoning-based Decision Support System; FARS: Food and Activity Recommender System.



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Knowledge extraction scenarios

1. Group dependent

General relationships

3. Subject dependent

Significant behavioural deviation

2. Group independent

Group-based relationships of features

4. Subject independent

Network structure analysis

