



EUROPEAN PAEDIATRIC TRANSLATIONAL RESEARCH INFRASTRUCTURE

Thematic Research Platform on Paediatric Medicines Formulations

Elisa Alessandrini – University College London

EPTRI Stakeholders Roundtable – 09th Jul 2020



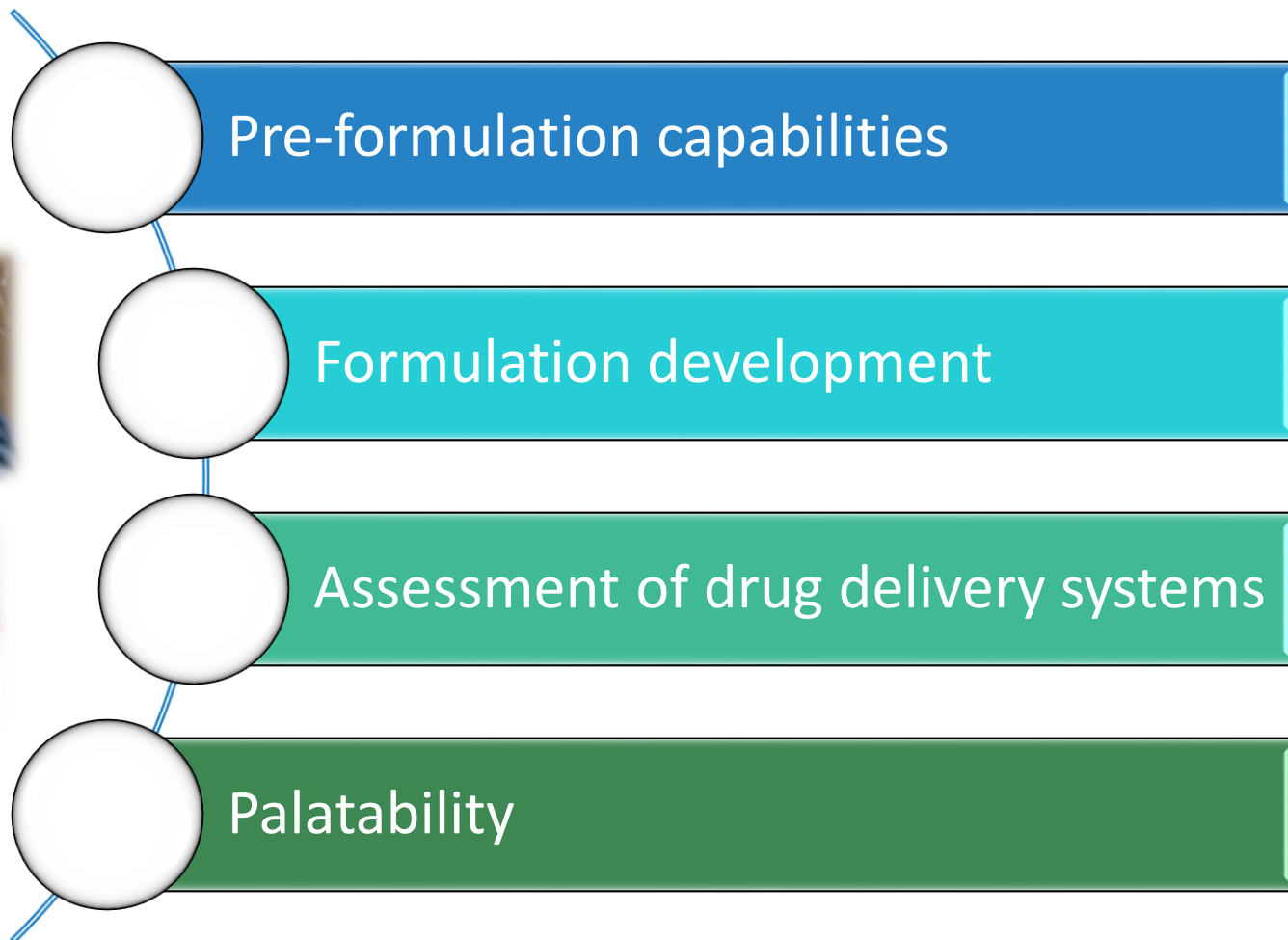
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 777554

Platform Overview

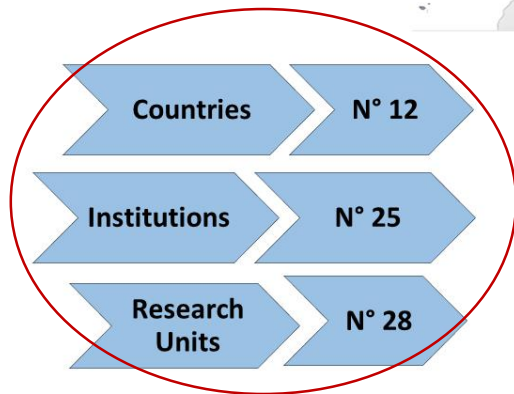
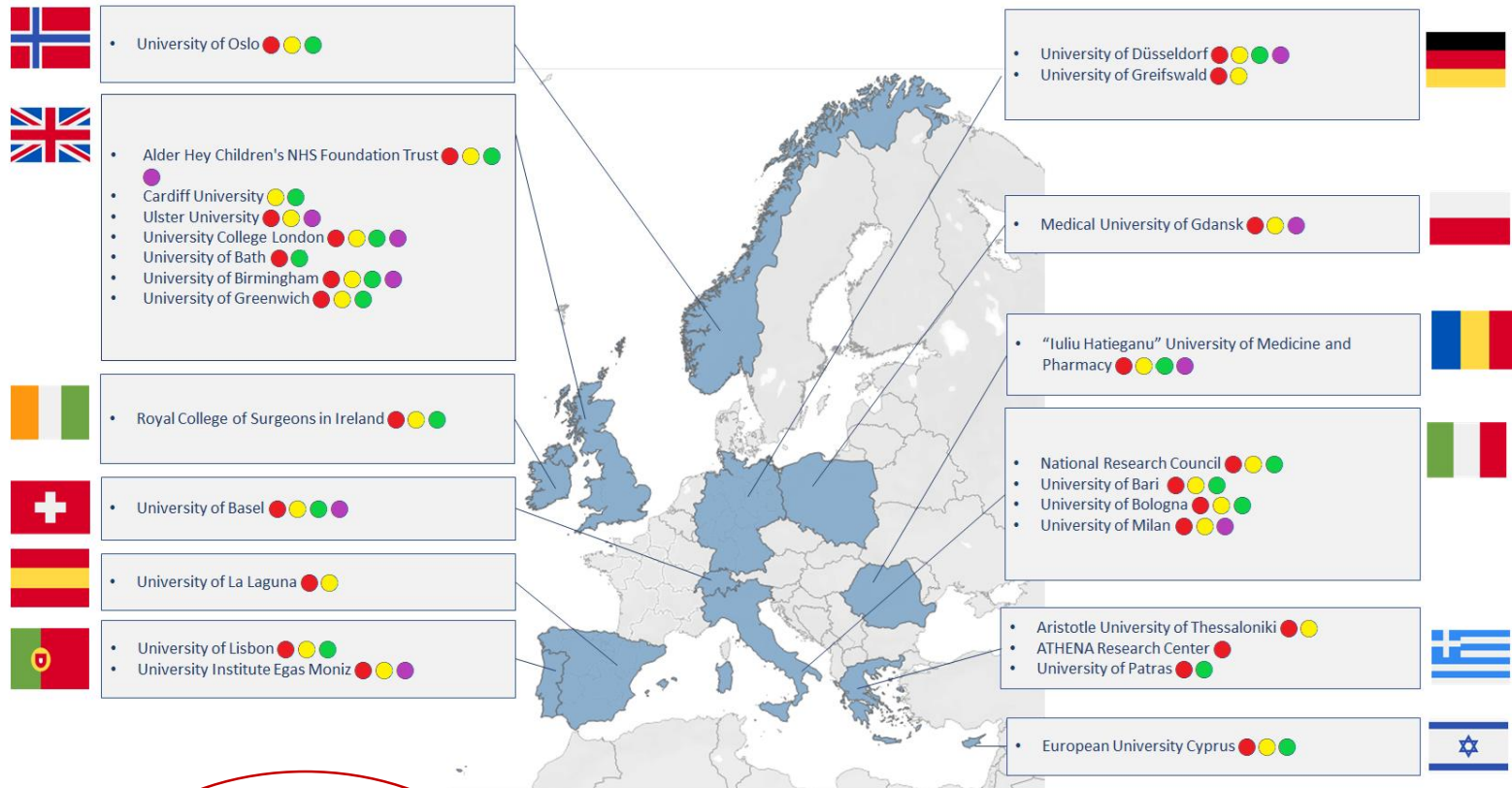
- Dedicated to formulation activities to create suitable paediatric medicines in a timely and efficient way
- Organisation of expertise into services' packages
- Matching with experts able to deliver specialised activities

Facilitate and accelerate development of age-appropriate formulations for children

Focus of the TRP



Distribution of Research Institutions and Activities



Research Activities

Pre-formulation capabilities

- Technologies for drug substance characterization
- Solubility enhancement
- Accelerated stability

Formulation development

- Preparation of enteral dosage forms (e.g. microparticulates, orosoluble or orodispersable molded tablets)
- Preparation of non-enteral dosage forms (e.g. nasal, pulmonary, rectal)

Assessment of drug delivery systems

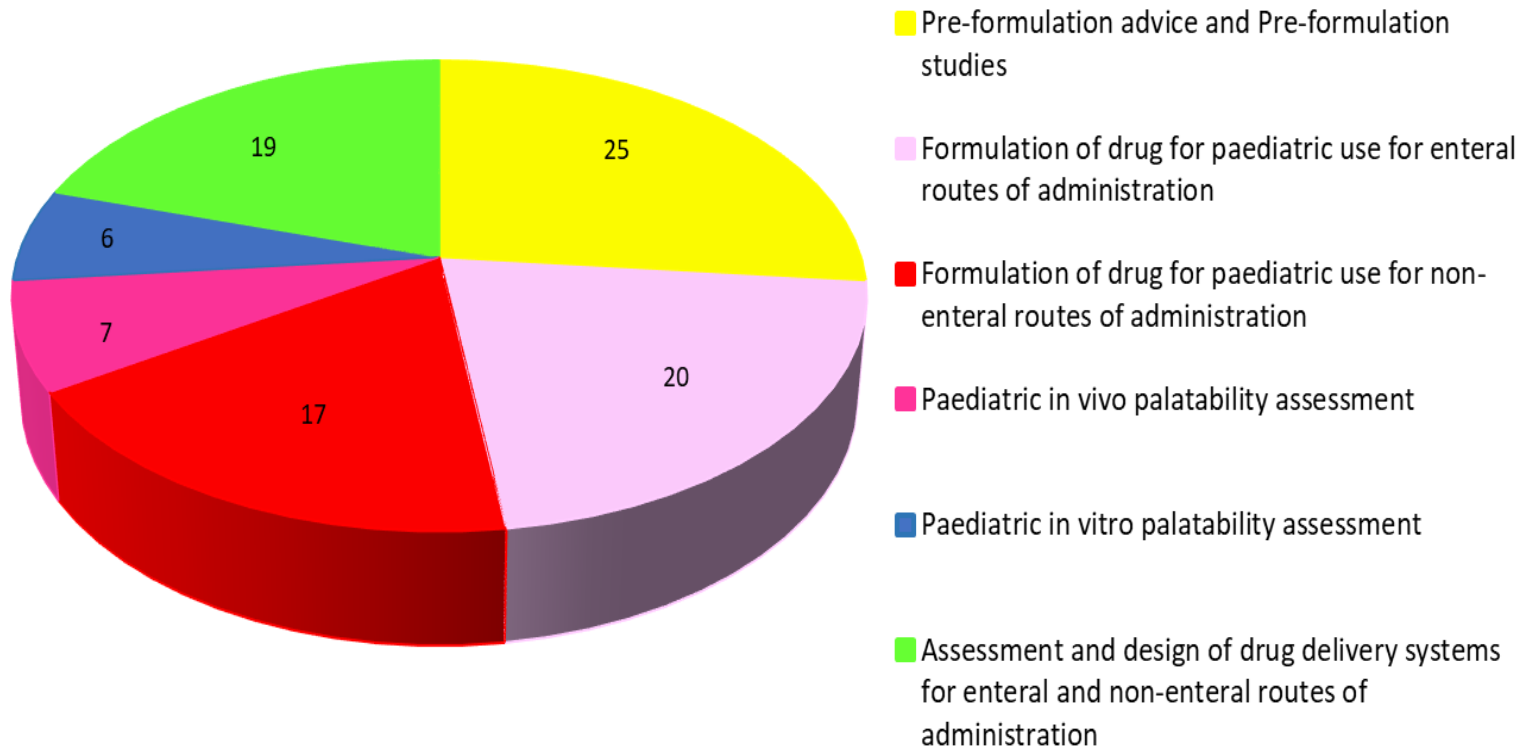
- Modified release profile
- Delivery systems for biologics

Palatability

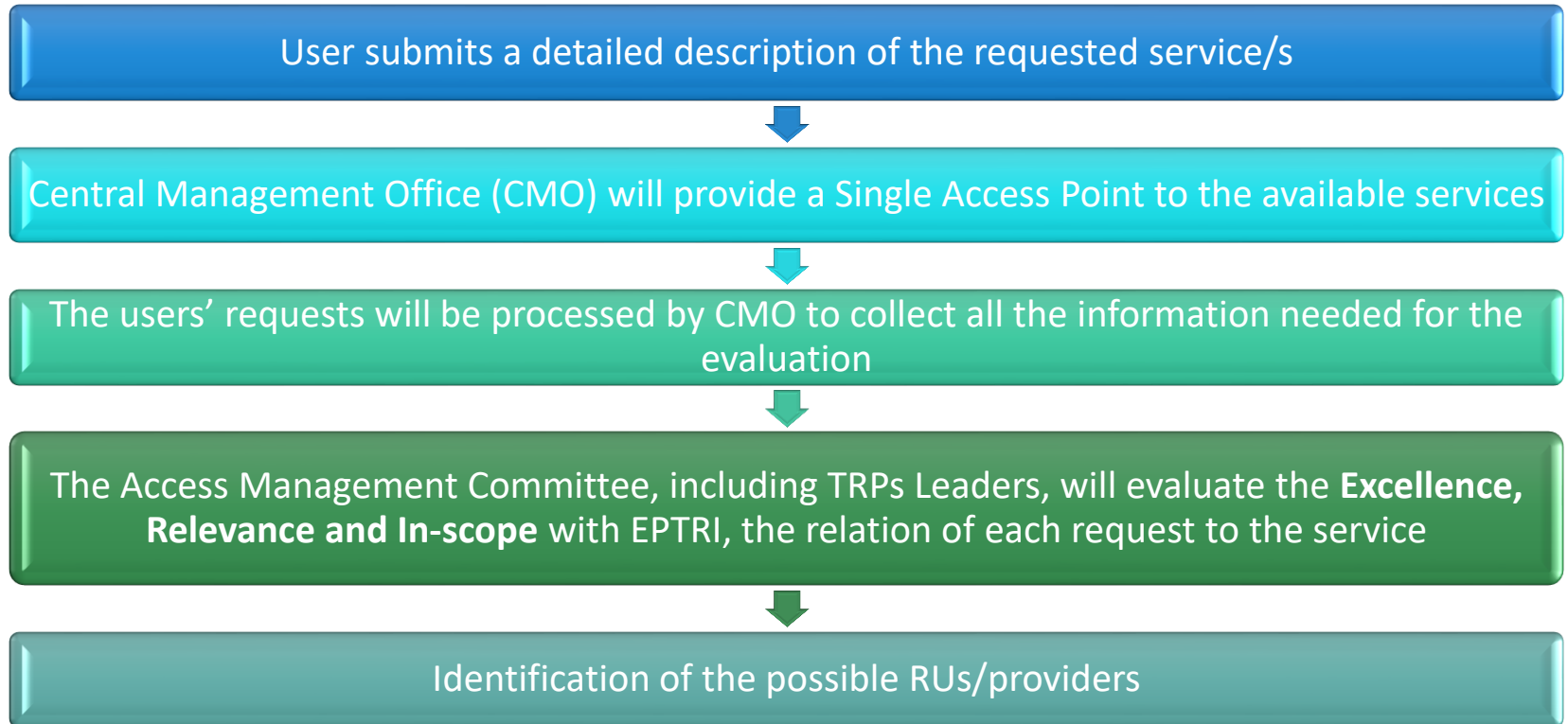
- Equipment for in vitro palatability assessments
- Animal-based and human-based essays
- Palatability assessment with human panels

Services provided

- Services are distributed among the Research Units
- All the services are related to the four research activities



TRP Operational Workflow



- Services proposed will be gradually available based on service providers' readiness
- A dedicated agreement will be set up between the user and CMO to establish criteria for service provision

Conclusions

- Participating research units offering their expertise and activities in paediatric formulation
- All services to be provided fall under four research activities
- Good geographical distribution of the potential service providers
- Services will be delivered through the EPTRI platform to facilitate and enable timely and efficient formulation of suitable paediatric medicines

Thank you