HoliDes

HOLISTIC HUMAN FACTORS AND SYSTEM DESIGN OF ADAPTIVE COOPERATIVE HUMAN-MACHINE SYSTEMS

WP7: Training Use-Case
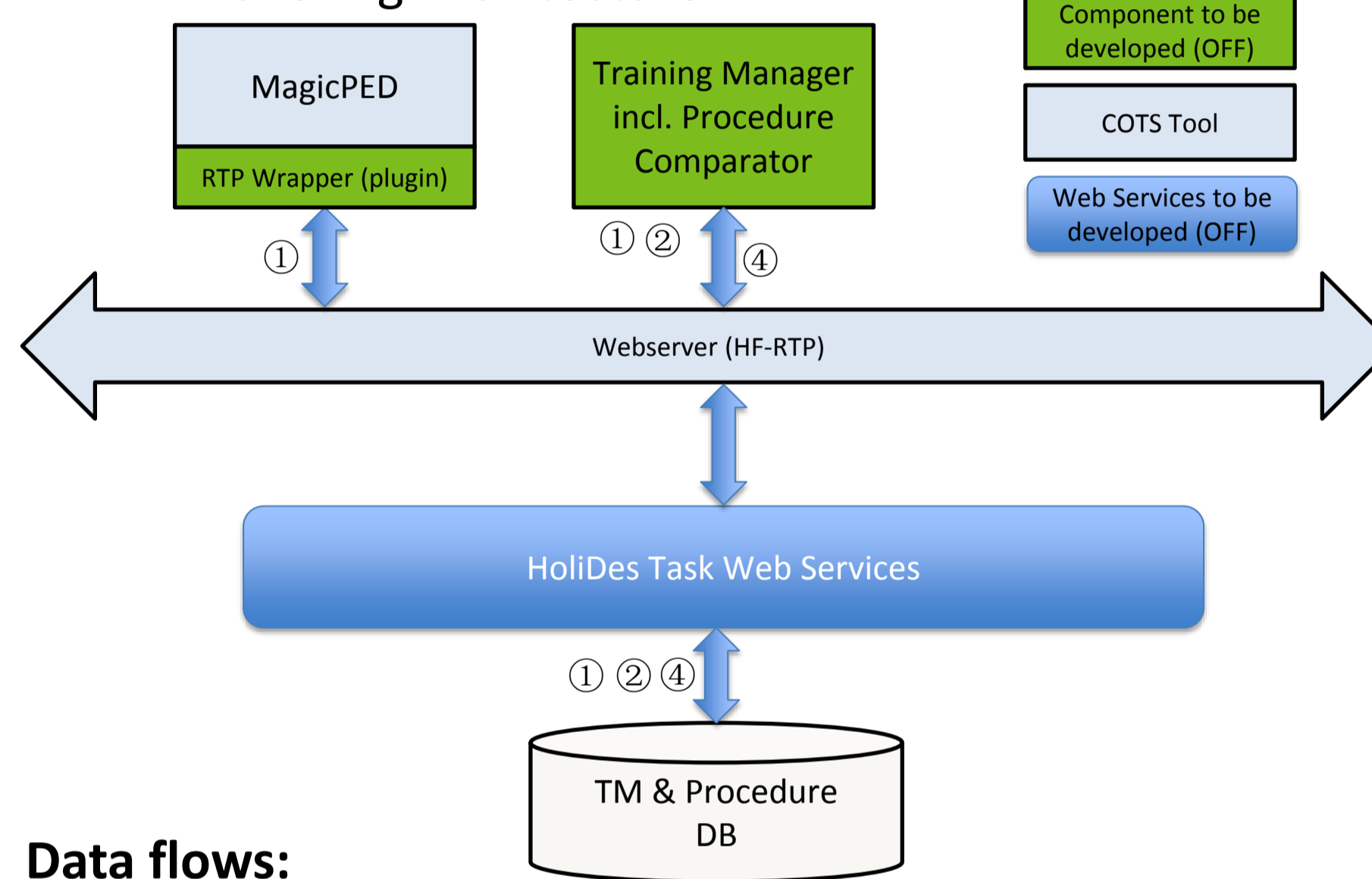
ARTEMIS

Domain

Motivation

- Generation of **training syllabi based** on **regulatory requirements**
- **One-size-fits-all training solution**
- **No credit** for aircraft type, nor **trainees' individual needs**
- Often copy-pasted
- Inefficient and ineffective training
- Especially in **transition training**, where pilots already have type rating
- **Objective of the EATT-AdCoS:** a training syllabus (e.g. Airbus A320) **adapted to the skills and knowledge of pilots**, who already have a type rating for another aircraft type (e.g. Boeing 737)

Applied MTTs

Current State: Tailored HF-RTP

General Architecture:

ADAPTED TO TRAINEES

WORK IN WP 7   INPUT WP2
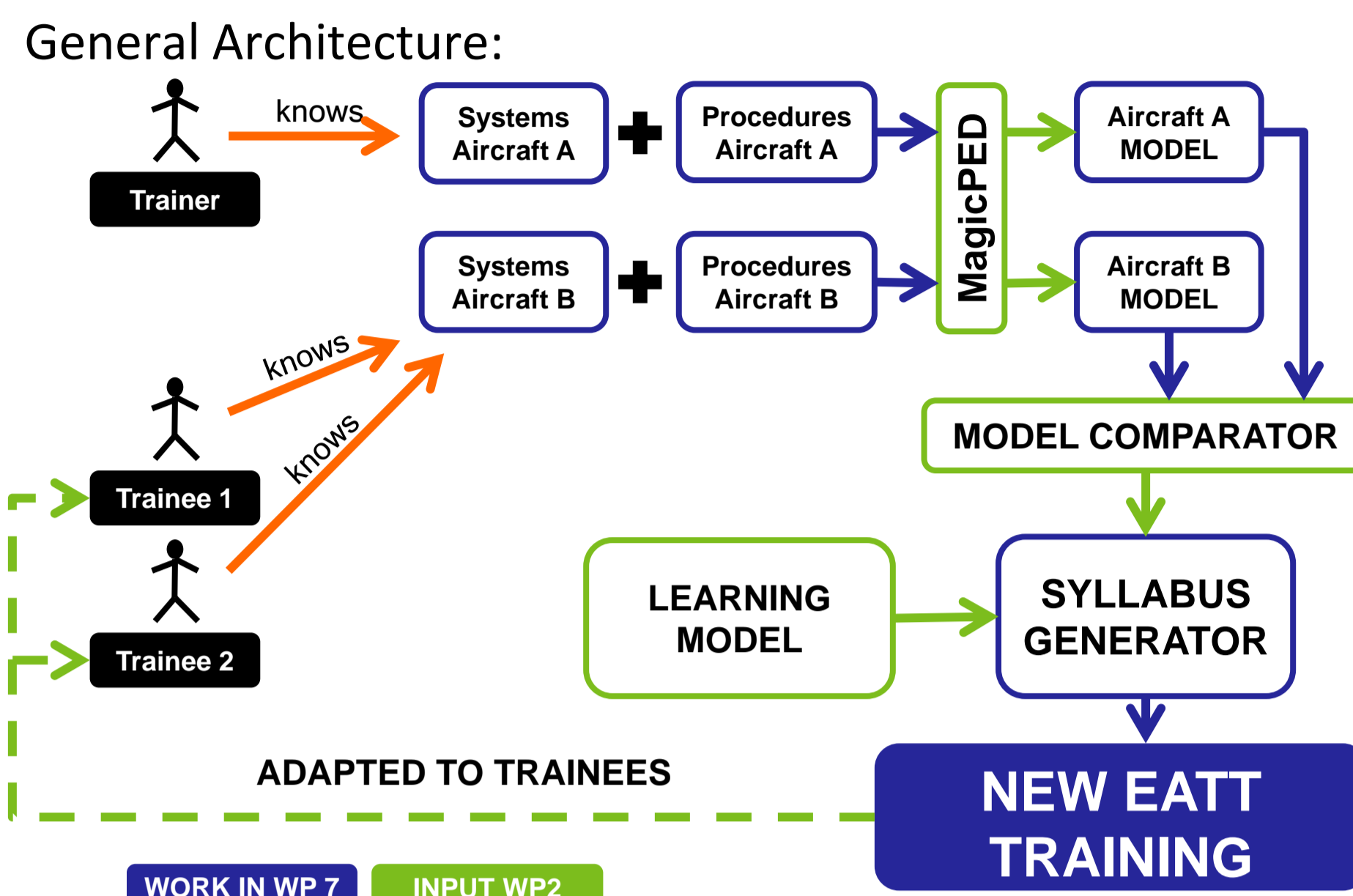
HF-RTP Tailoring Architecture

Webserver (HF-RTP)

HoliDes Task Web Services

TM & Procedure DB

Data flows:
① Task Models
② Training Requirement Model
④ Training Syllabus

Results

Modelling:

Aircraft	Classes	Attributes
A320	89	1850
B737	75	1065

Modelling Examples (MagicPED):
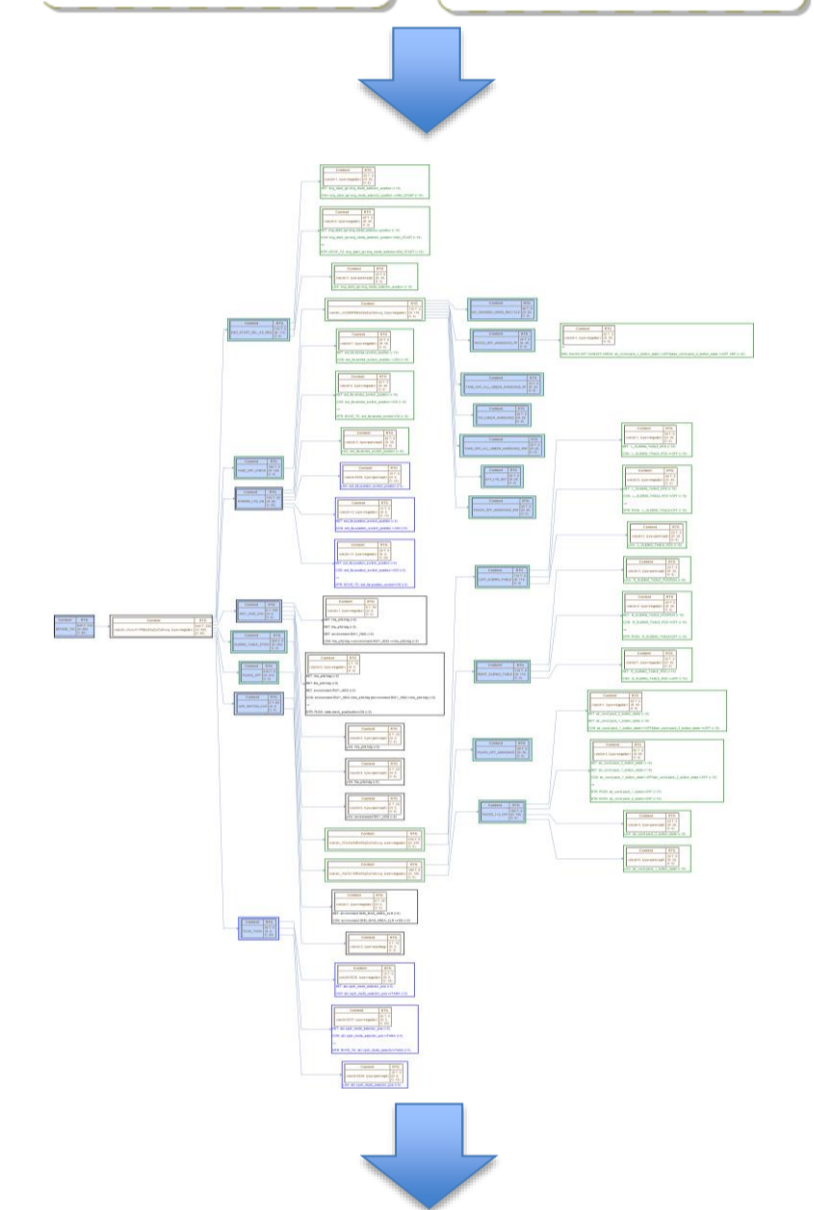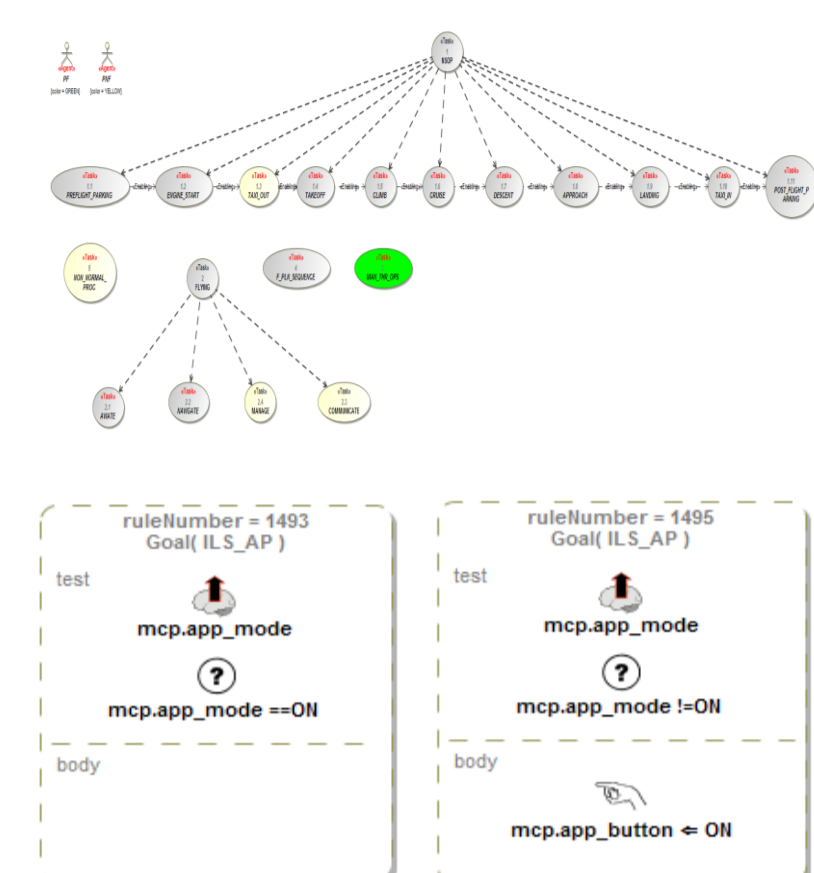
First syllabus generated and successfully evaluated with 2 pilots (one captain, one first officer, experienced B737 pilots with >10,000 flight hours on B737).
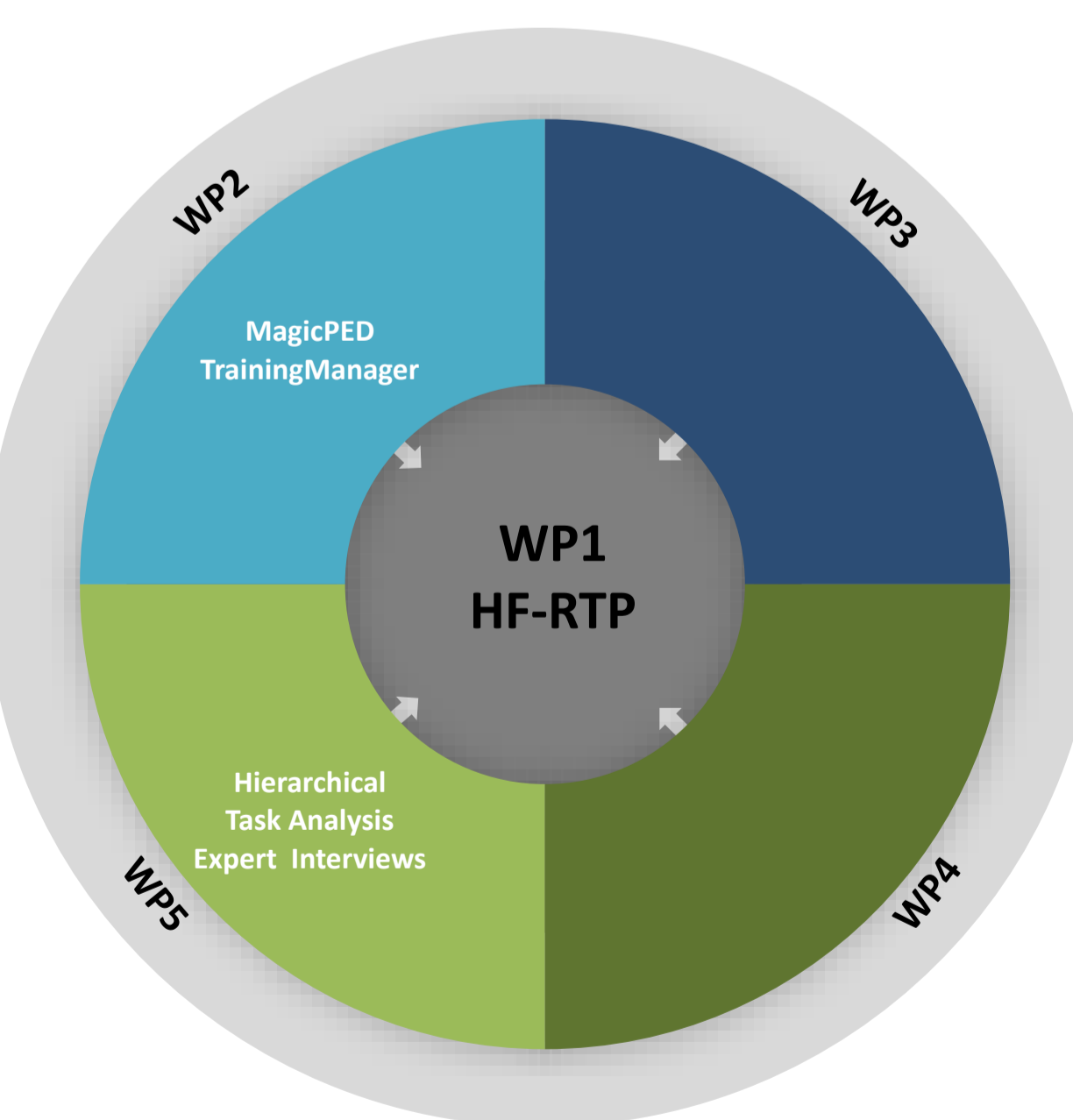
Contact

truestream aerospace GmbH
Völkersstraße 42
22765 Hamburg

Frank Rister
truestream@hamburg.de

OFFIS e.V.
Escherweg 2
26121 Oldenburg

Jan-Patrick Osterloh
osterloh@offis.de

Consortium

Acknowledgments