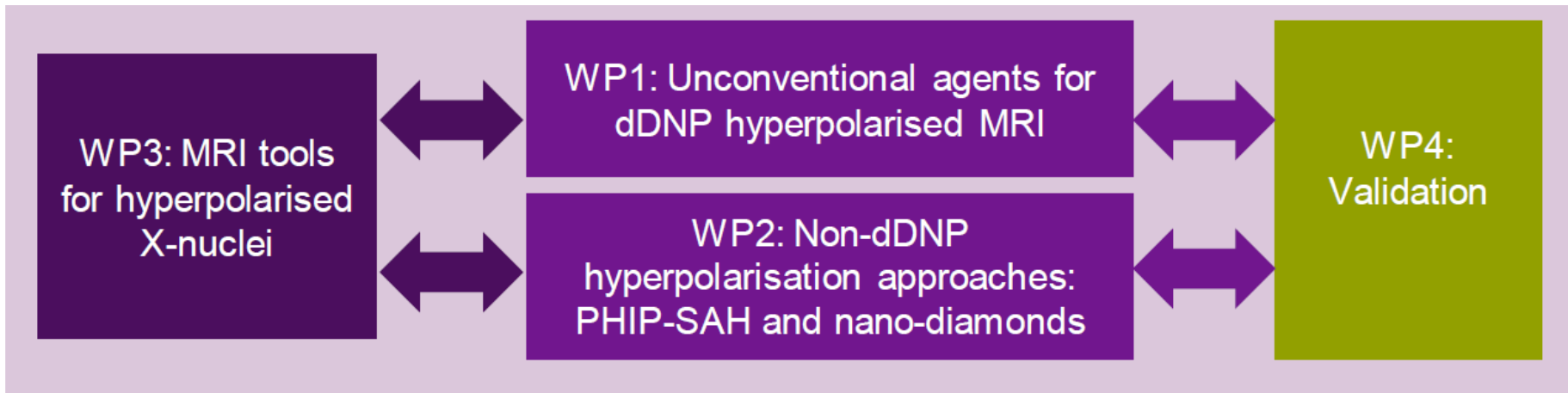


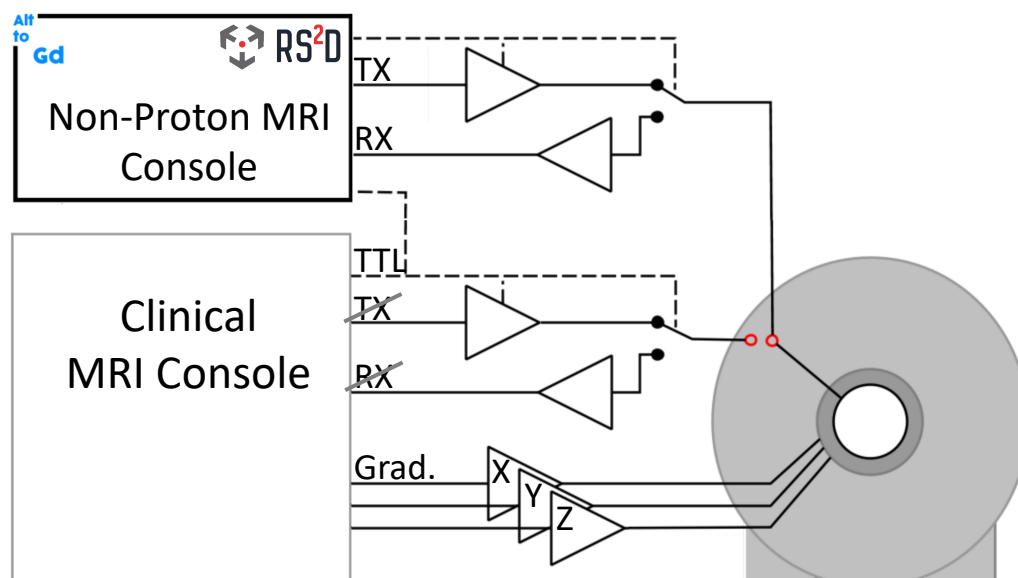
This European FETOPEN project is aiming to demonstrate the feasibility of **replacing Gadolinium-bearing contrast agents with a metal-free approach**. New compounds and technologies are being developed and will be tested in animal models.



Work Package 3 - Task 2 :

Ulm University Medical Center and RS2D are working together in developing **a low-cost dedicated transmit/receive system** which will be interfaced and **synchronized to the conventional MRI systems** produced by different vendors by a simple electrically isolated trigger line. This will allow **to easily conduct Non-Proton MRI acquisition** on Standard clinical MRI.

System layout diagram:



Clinical TX / RX line are bypassed by dedicated Non-Proton TX / RX system

Preliminary results:

Proton GRE images acquired with the independent Console. TX and gradient played by the Clinical MRI console.

