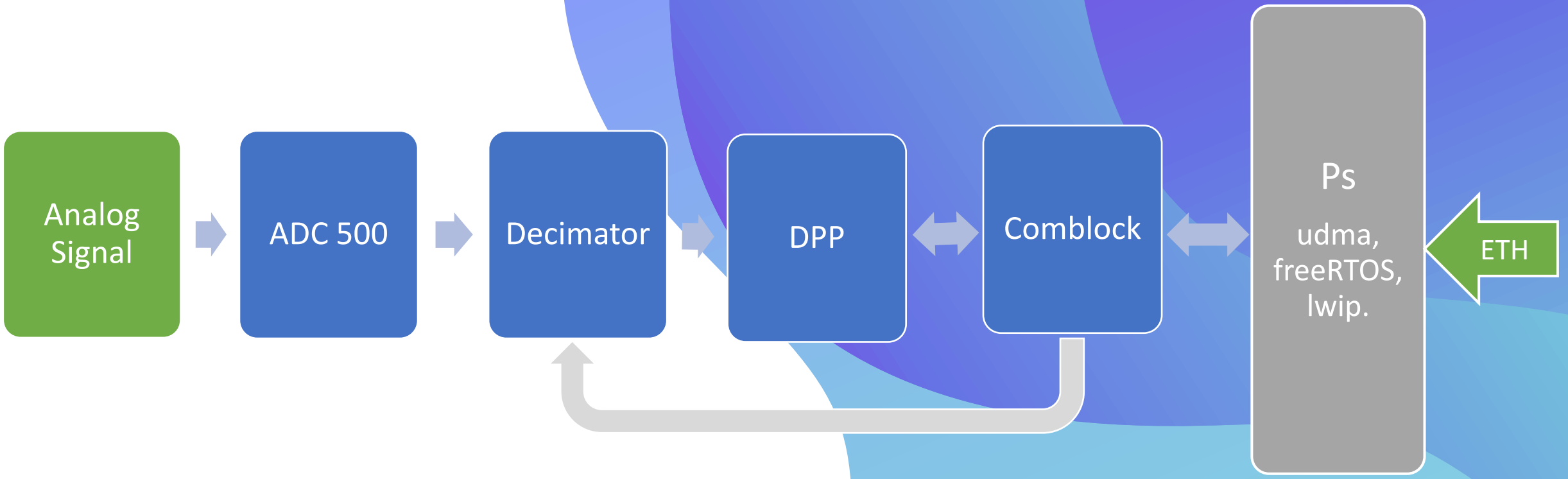
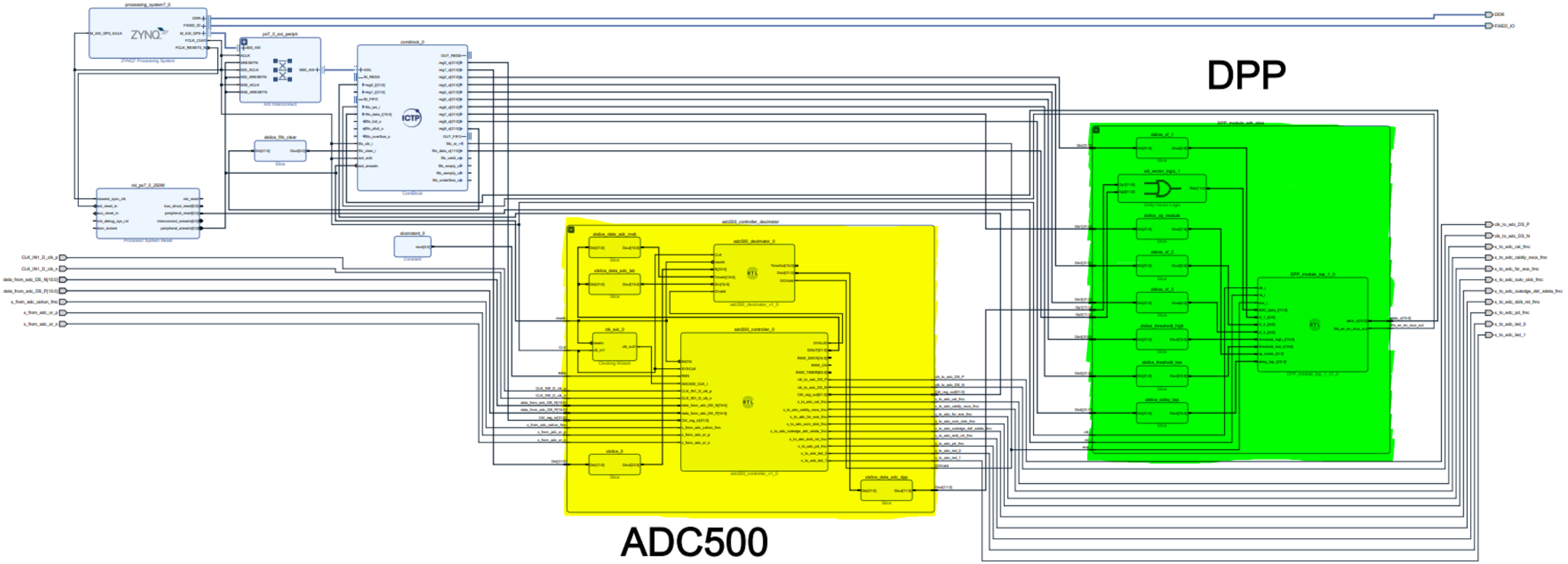


Maynor Ballina

Final Project implementation

Joint ICTP-IAEA School on FPGA-based SoC and its Applications for Nuclear and Related Instrumentation



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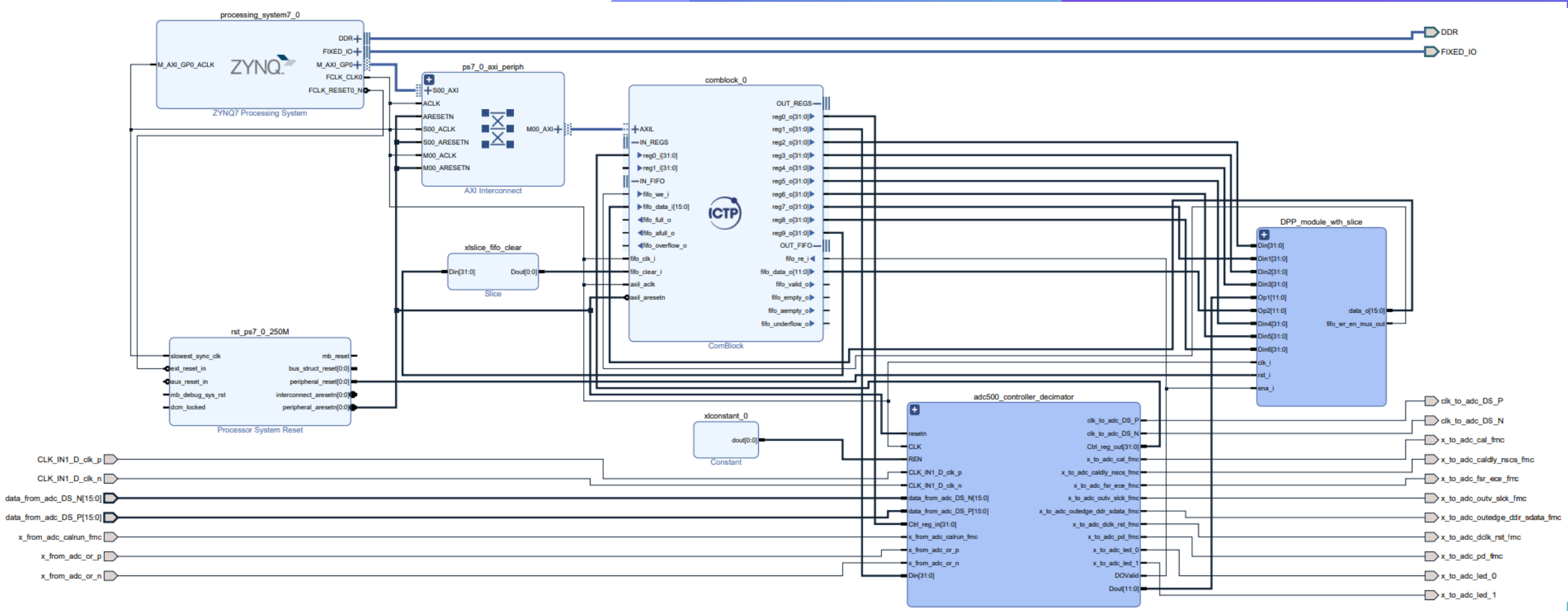

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Difficulties and challenges

- *I was not very clear about the functionality of certain pins of some blocks*
- ✓ *VHDL files.*
- *Missing some signal connections*
- ✓ *Documentation provided.*
- *Misconceptions of functionality*
- ✓ *Help from faculty members and fellow participants*
- *Time, personal activities, internet connection*
- ✓ *Recorded talks, connection to the lab computers at any time, contact information of faculty members*

Teachers of high academic level and experience

Diverse topics on lab activities:

Digital Pulse Processor

ADC 500, UDMA, DPP

Digital Pulse Processing for X Ray Spectroscopy

Meet researchers working on something similar

By applying what I have learned in my project, it will facilitate its implementation

My research and the activities:

Detection of vertical muons with water Cherenkov detectors

Thank you so much

Despite the difficulty due to the covid 19 pandemic, the activities turned out perfect, thanks for the effort made by the organizers