"Our 6G with our technologies!"

What is your role in the project, and how would you describe X-TREME 6G in one sentence?

I serve as X-TREME 6G's **coordinator**, and I would describe X-TREME 6G as *"an SNS Microelectronics **lighthouse initiative** coordinating microelectronics developments and 6G platforms with the aim to **strengthen European independence** across the entire value chain of telecommunication infrastructure for 6G"*.

What were your expectations at the beginning of the project, and have those expectations been met so far?

I expected the creation through the project of a **dynamic collaboration** between the telecommunication community and the microelectronics community, **from research laboratories to industry players**, in order to contribute to the establishment of a European silicon to applications ecosystem.

I have to say that so far, **those expectations were met successfully!** The **synergy** between the two communities shaping the project is strong, as **everyone contributes** significantly to the targeted objectives.

One year of X-TREME 6G
Didier Belot, ST Microelectronics

"Our 6G with our technologies!"

What challenges did you face in the project's first 12 months, and what challnges and opportunities do you foresee for the 12 months to come?

I would say that **we did not face any specific challenge.** All deliverables are up to date, the specifications have been delivered, and the circuit and software designers are at work. We expect validation of the different platform components by the end of the second year.

As of the challenges and opportunities to be foreseen in the next 12 months, I would say that **the realization of a first heterogeneous integration test of SiGe and InP chips for the D-band** is one of the key points of this new year. The **validation of all the blocks constituting the platforms** will also help to move into the third year towards 6G platforms using European microelectronic technologies.

What makes you especially enthusiastic about the future of the project, and the results achieved in the last 12 months?

The **coordinated approach between microelectronics and telecommunications** is a driver of innovations and technological breakthroughs that will enable partners to be **at the forefront of their field**, and will **strengthen European independence** in these areas. Being one of the players in this adventure is very exciting!

Any last words?

Let's go to the end of this adventure and prepare our 6G with our technologies!