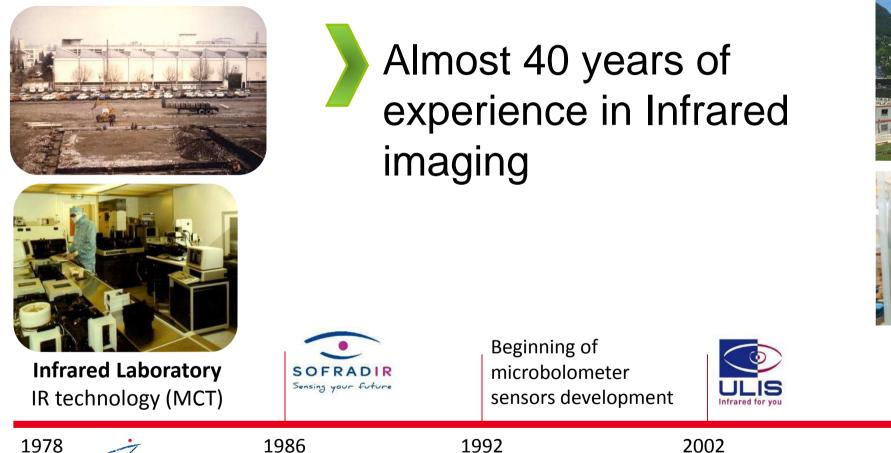




### **INFRARED IMAGING**



## A NICE STORY OF THE HISTORY OF LETI







**Photonic Platform** 

DGA

2017



#### HIGH-PERFORMANCE INFRARED IMAGING

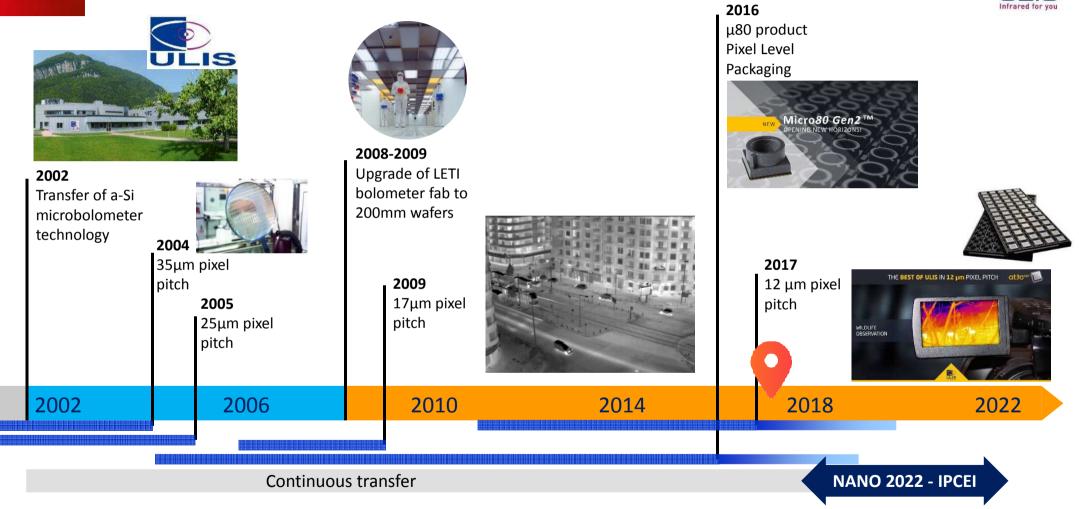


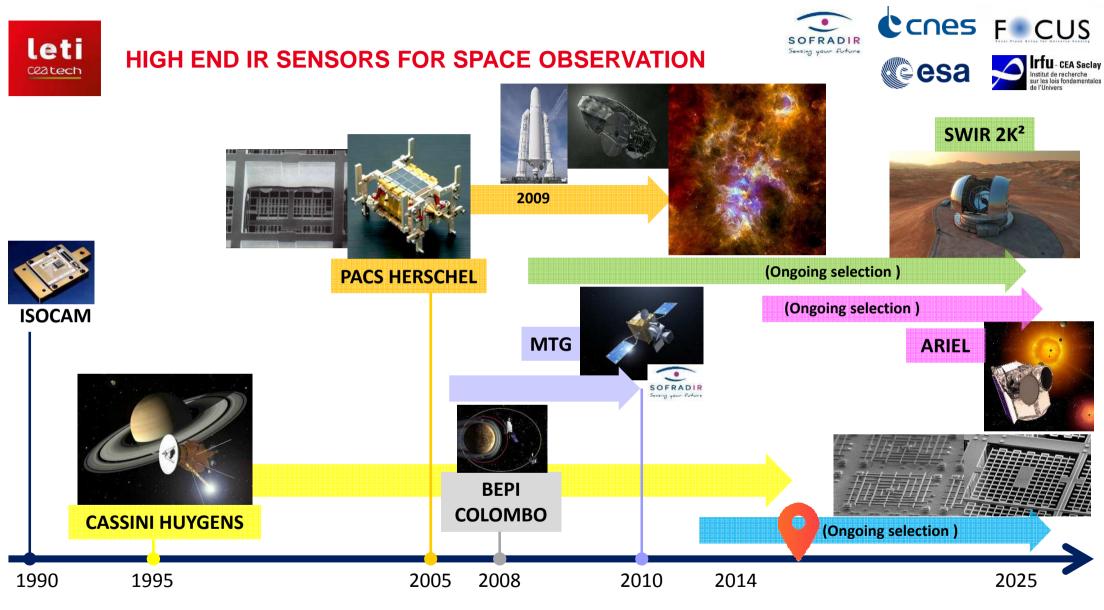
	<b>1978</b> Creation of Infrared Lab at CEA-LETI	<b>1986</b> Transfer of HgCdTe technology	SOFRADIR Sensing your future		<b>2003</b> Creation of D joint laborato HgCdTe techn	<b>2010</b> CEA jo III-V La EFIR ry on	bs 2013 Creation o	b	
19	78 1984	1990	) 1996	2002	2008		2014	2020	2024
		Continuous transfe	er	Acceleration of industrial transfers (p/n, EPL, large substrates)			NANO 2022 IPCEI		
								High perfor FPA for Astr	

Space applications Leti Innovation Days | June 28-29, 2017 | 3 leti

#### **HIGH-QUALITY THERMAL IMAGE SENSORS**



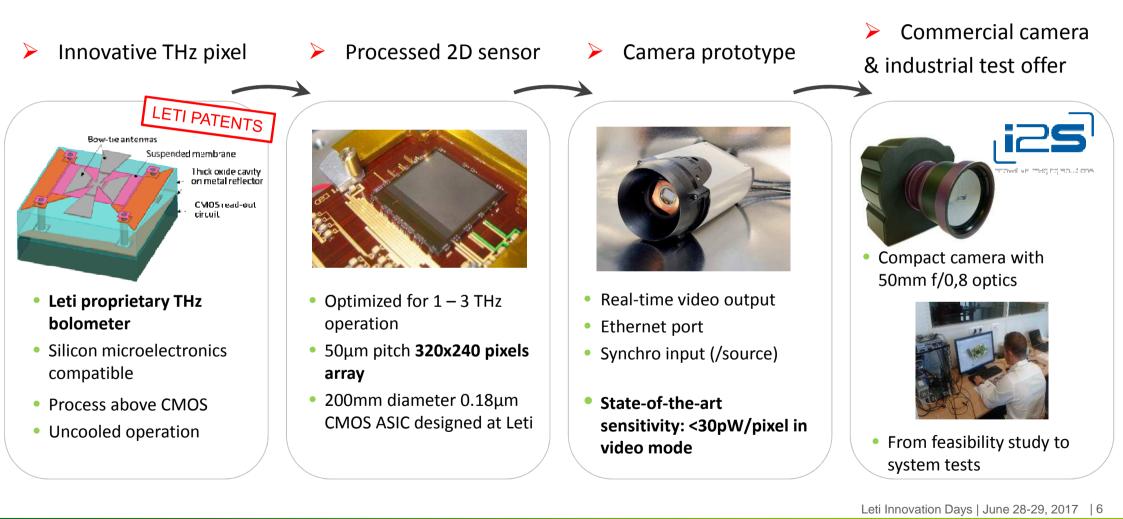






## PUSHING THE FRONTIERS OF IR TOWARDS TERAHERTZ IMAGING

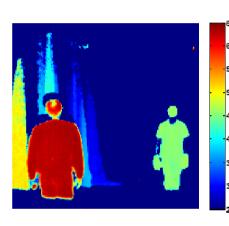
FROM CONCEPT TO COMMERCIAL TERAHERTZ VIDEO CAMERA

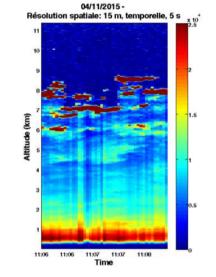




### **NEW PERSPECTIVES : IR AVALANCHE PHOTODIODE**

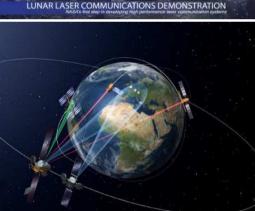






CO2 atmospheric measurement



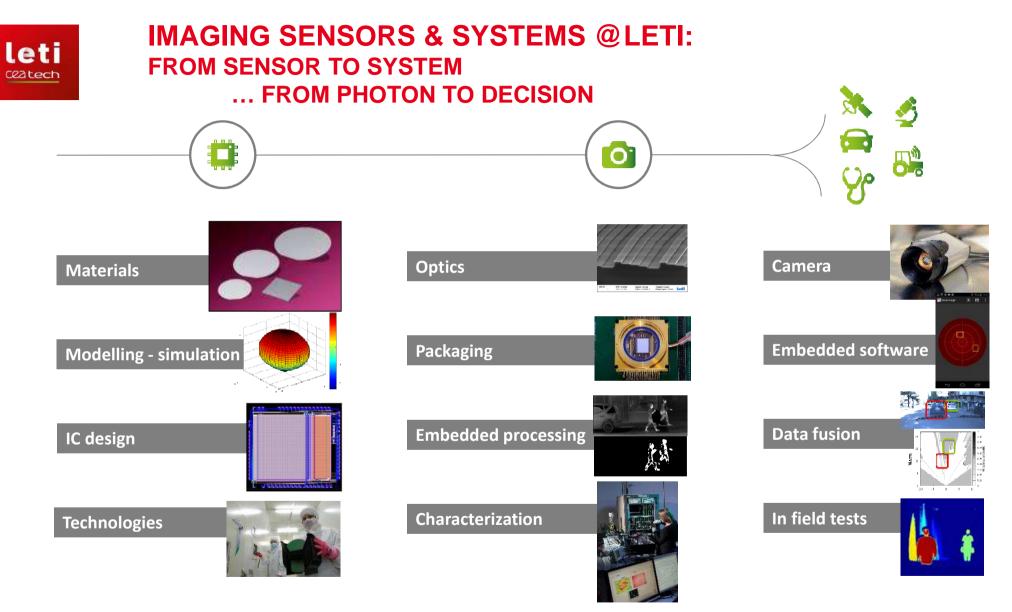


Photon counting Wave front correction Ultra low flux detection

**3D LIDAR Imaging** (High end applications)

# Greenhouse gases monitoring

Deep space communication



#### We can ask your questions in numerical environnement

Agnès Arnaud Pierre Castelein François Simoens

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