

I2M - « Physical Acoustics » Department

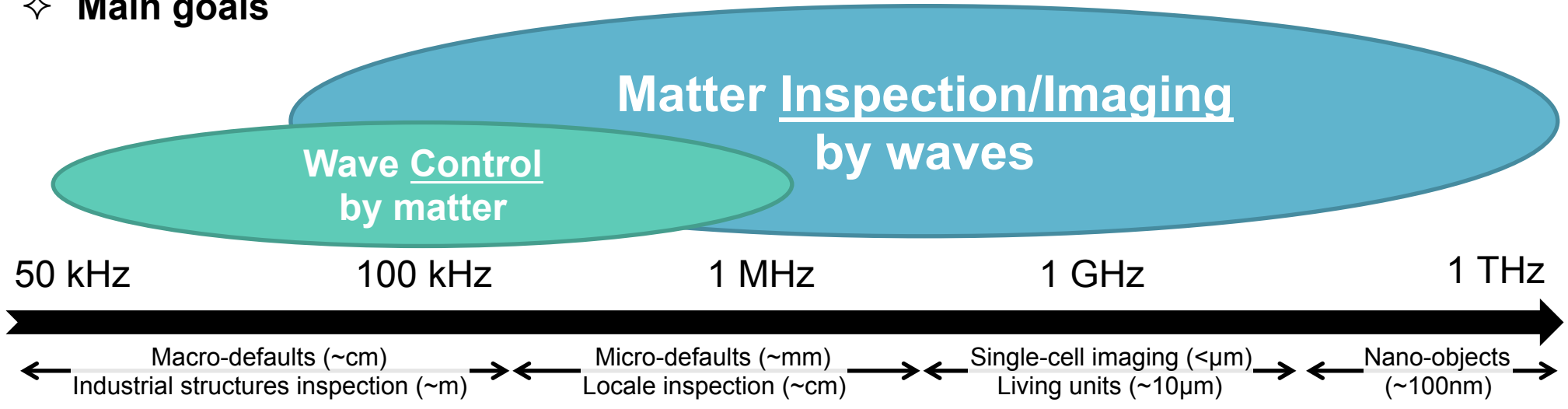


✧ Staff

- 17 permanent staff: **15 researchers + 2 technical staff**
 - **CNRS (6)** : 2 DR + 2 CR + 1 ITA BAP C + 1 ITA BAP J
 - **UB (7)** : 3 PU + 4 MCF
 - **Bx INP (3)** : 2 PU + 1 MCF
 - **ENSAM (1)** : 1 MCF
- **15 non permanent staff** per year on average, among which about **10 PhD students**

✧ **Scientific domain:** **ULTRASOUNDS for the INDUSTRY and the LIVING**

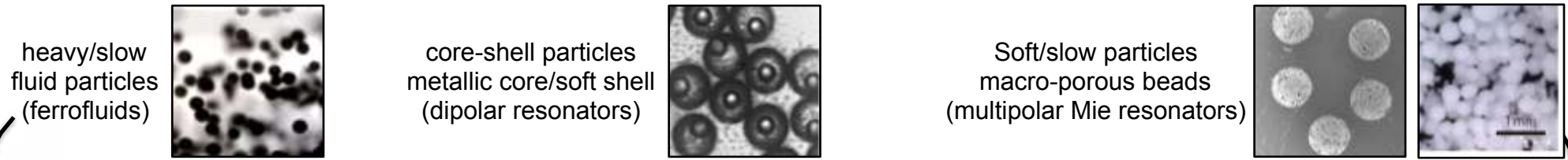
✧ Main goals



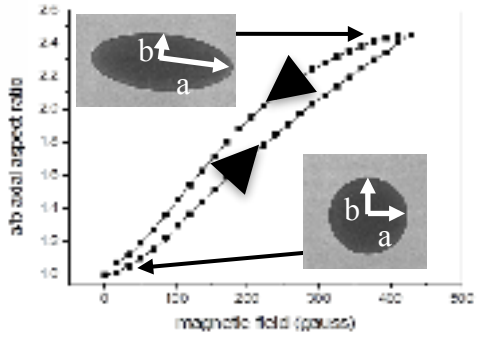
Soft acoustic metamaterial activities

✧ Production of various resonators and evidence of metamaterial features

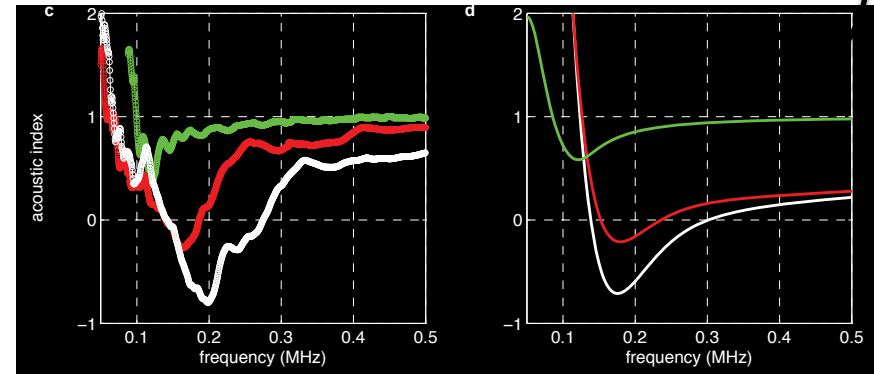
- Fluid-like and solid-like acoustic resonators dispersed in fluid matrices



✧ Anisotropic (tunable) soft materials



Negative- and zero-index metafluids



✧ Acoustic testing of randomly-loaded elastomer panels



EPS and lead mm beads

