Microplastics Standards and Methodologies

December 10th 2025

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Microplastics Standards

California Drinking Water Method

- SWB-MP1-Rev1 (FTIR)— MPs>50µm
- SWB-MP2-Rev1 (Raman)— MPs>20µm

ISO 16094 Series — For clean/low suspended solids waters

- ISO 16094-2:2025 – Vibrational spectroscopy (FTIR/Raman)
- ISO 16094-3 (DIS) –Thermo-analytical methods

ISO 24187:2023 – Principles for analysis of microplastics in the environment

ASTM D8332-20 & D8333-20 – Collection and preparation of water samples for MPs

NOAA Masura 2015 protocol – Marine waters and sediments

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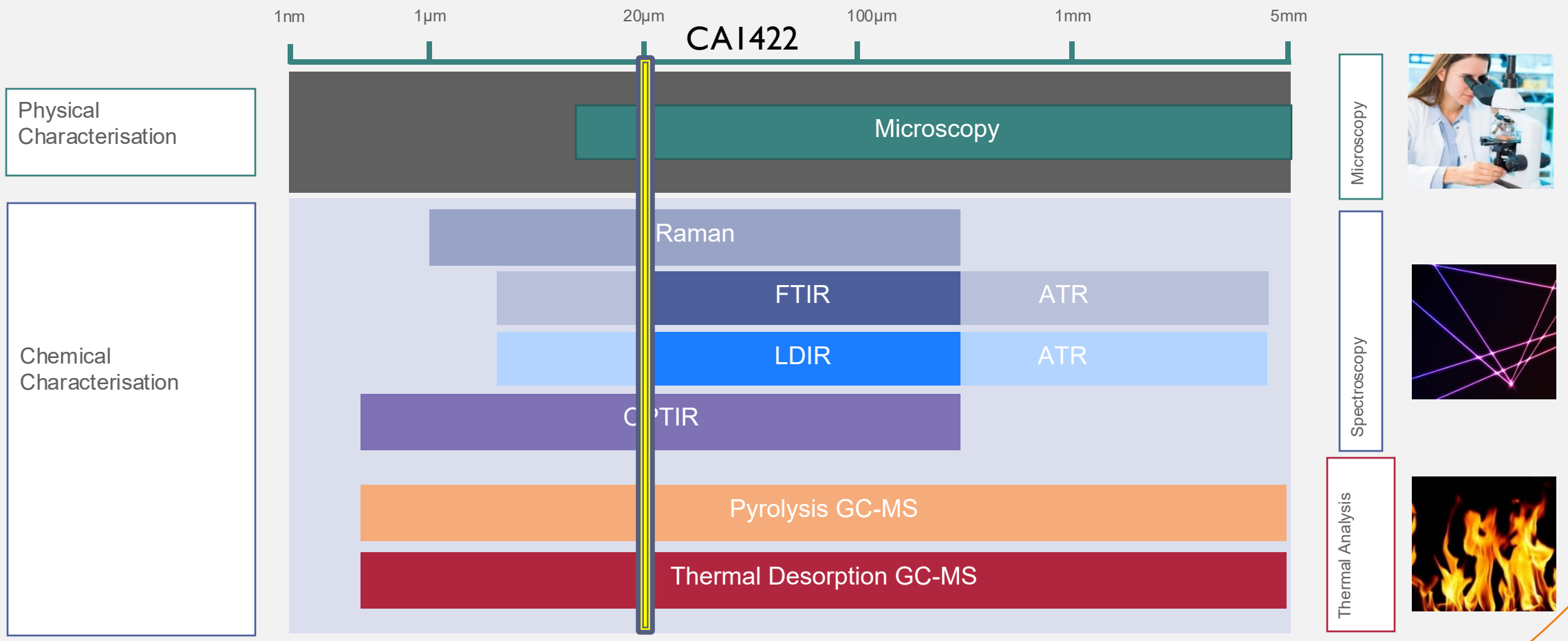
Methodologies



From BASEMAN (DELIVERABLE D4.3 Harmonized protocol for monitoring microplastics in biota)

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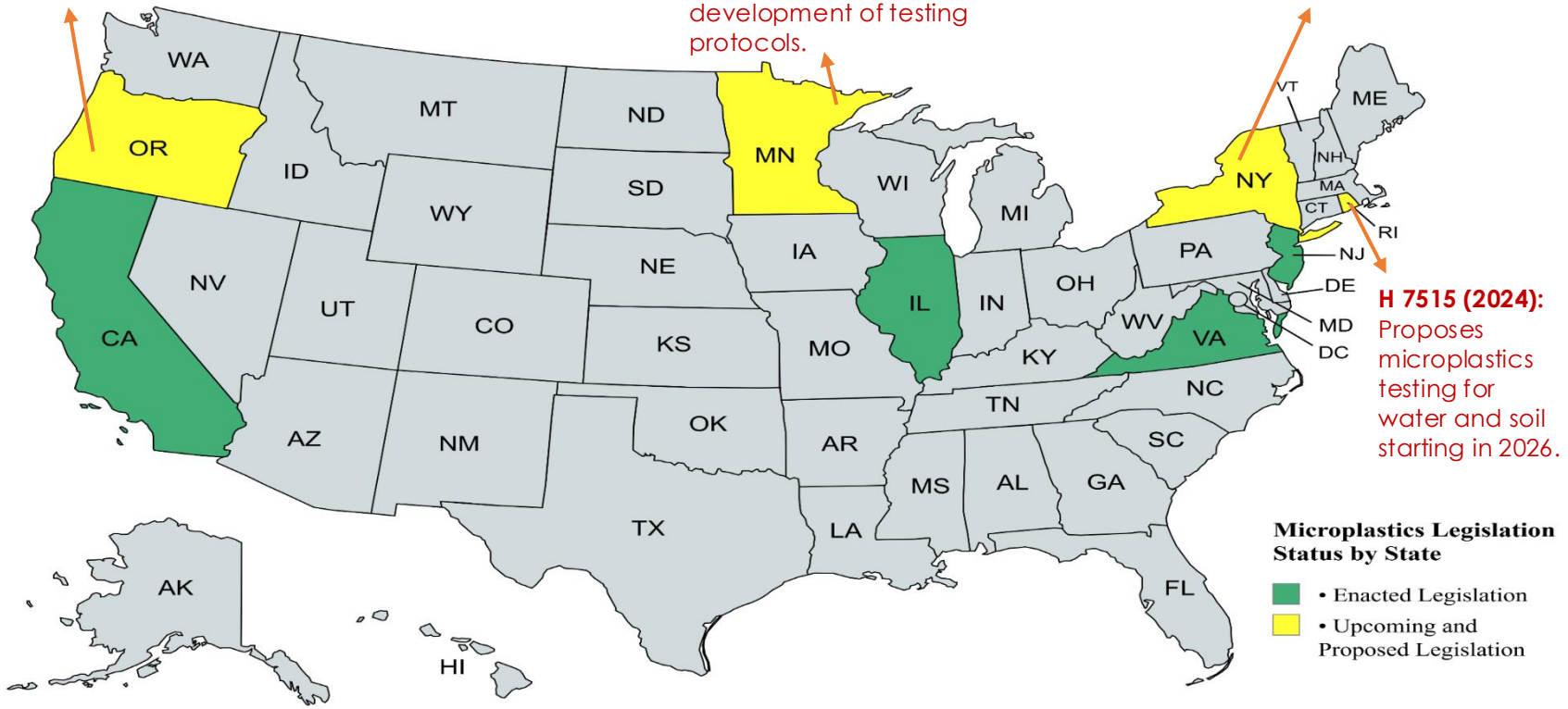
Legislations on Microplastics

SB 526 (2025): Proposes microfiber filters in new washing machines by 2030.

SF 2245 (2023): Defines microplastics and funds development of testing protocols.

Int 0692-2024: Would require the DEP to test drinking water for microplastics.



H 7515 (2024): Proposes microplastics testing for water and soil starting in 2026.

Passed Legislation

California:

- **SB 1422 (2018):** Sets definition and testing methods for microplastics in drinking water.
- **SB 1263 (2018)**: Launches a statewide microplastics strategy.
- **SB 1147 (2023):** Requires health risk studies of microplastics in water.

New Jersey:

- **A1816 (2014):** Bans microbeads in personal care products.

Virginia:

- **HB 33 (2024):** Creates a work group to study microplastics in drinking water.

Illinois:

- **SB 1563 (2023):** Requires draft testing regulations for microplastics in water by July 1, 2025.

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