## ***RIS Internship Master thesis opportunities***

## ***Acad. year 2023/24***

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| Host institution name |  |
| Host institution field | Mining / Geo-sciences and geotechnology / Extractive waste management/ Materials science/ Metallurgy / Recycling / Other (specify) |
| Tentative topic of the master thesis  | Analysis of datasets from X ray experiments and IR experiments on microplastics obtained from controlled degradation |
| Short description (several sentences) | The evolution of the structure and molecular characteristics of degraded plastics can be studied by X ray diffraction and IR spectroscopy. The results of the obtained datasets from X ray diffraction and IR spectroscopy experiments will be analyzed  |
| Key words | X ray diffraction, microplastics  |
| Please select if applicable | Laboratory workField workAvailable datasetsLiterature overviewOther (please specify) |
| Preferred educational background of the intern  | Mining / geology / ecology/biology / chemistry / waste management / civil engineering / mechanical engineering / environmental engineering / metallurgy / economy/management |
| We accept | International students / National students / EIT Labelled students / SinREM/ Amir / Emerald / TimRex |
| Chose tentative months (Internship related to MSC thesis in 2023/24 should be e accomplished between October 2023 and latest May 2024)  | December 2023 (zero grant)January 2024 (full scholarship)February 2024 (full scholarship)March 2024 (full scholarship)April 2024 full scholarship)May 2024 (full scholarship) |
| Industrial supervisor | Aurora Nogales, contact: IEM-CSIC organization t.ezquerra@csic.es |