

## New arrival at heiLUM: Marie-Curie PostDoc Dr Magdalena Biernacka



*Dr Magdalena Biernacka (third from the left) with members of the heiLUM group (from left to right): Dr Annette Kadereit (director of heiLUM), Lea Stoffl (student assistant), Dr Magdalena Biernacka (Marie-Curie PostDoc), Jutta Asmuth (lab manager), Prof Paul Hanson (guest heiLUM), Sebastian Kreutzer (Heisenberg Group Leader)*

The Heidelberg Institute of Geography is delighted to welcome Horizon Europe Marie Skłodowska -Curie PostDoc Dr Magdalena Biernacka.

Magdalena is a physicist specializing in sodium chloride's luminescence and its application for ionizing radiation dosimetry. She will join the Heidelberg luminescence group (heiLUM) for two years starting in April 2023 to develop and test a new dating method based on the lyoluminescence of halite, in a nutshell: light emitted during the hydration of salt.

Before being awarded the prestigious Maria Skłodowska-Curie PostDoc fellowship for coming to Heidelberg, Magdalena worked at the Institute of Physics at the Nicolas Copernicus University (Poland) on deep traps in quartz and their potential for thermochronometry. With her skillset, Magdalena is ideally suited to strengthen and complement the research of the heiLUM group in the framework of the Heisenberg subproject TEAREva (The last Recrystallisation of Evaporites, PI: Dr Sebastian Kreutzer). From April 2023, you can meet Magdalena in INF348/136.

Magdalena, welcome! Together we will push the boundaries in luminescence-based chronology!

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