

Visualisation Data Sheet – basic information

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title: Knowledge transfer with respect to Leonhard Euler in the 1st half of the 18th century

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type of document: interactive und multimodal information visualisation

format: PDF including a flyer

primary sources: Nicolas Guillerat, John Scheid, Milan Melocco. 2021. Ancient Rome: Infographics, London – New York: Thames and Hudson; Juuso Koponen, Jonatan Hildén. 2019. Data visualization handbook, Aalto: Aalto university

secondary sources: Eneström, Gustav (1913) Die Schriften Eulers chronologisch nach den Jahren geordnet, in denen sie verfasst worden sind, Leipzig: B. G. Teubner; Hoffmann, Peter (2007) „Leonhard Euler and Russia“. In: Bradley, Robert E., Sandifer, Charles Edward (Hg.) Leonhard Euler: Life, Work and Legacy, Amsterdam – Oxford: Elsevier, 61-73; Porter, Roy (Hg.) (2003) Eighteenth-century science, Cambridge: Cambridge University Press

keywords: knowledge transfer – 18th century – Russia – Leonhard Euler - translation

language: German

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Visualisation Data Sheet – additional information

research question: How did knowledge transfer work in Europe in the 18th century? Leonhard Euler's first stay in St. Petersburg in contrast to the publication history of his works.

research concept: the focus is on the spatial relationships of Leonhard Euler's CV and (popular) scientific publications. The general design of the map is strongly reductionist; thematic map with interactive elements, legend and attached documents on Leonhard Euler's CV + publications; persistent shape and color code that differentiate between publication form (source text/original, target text/translation, review) and publication language (Latin, German, French, English, Russian); geographical features are limited to the territory of Russia in 1727

methodology: information arranged on three levels: pictograms, pop-up element with explanations, hyperlinks with further sources; the pop-up elements get activated by hovering with the mouse; hyperlinks get activated with a mouse click; PDF contains two attachments (in the title and in the information field), which are activated with a mouse click as well

technical requirements: Adobe Acrobat Pro 2022, Adobe Illustrator 2022, Adobe Photoshop 2022

