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The experimental workbook from the new viewpoints

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Our working group edited a new experimental workbook on the basis of the following viewpoints. First, it should be easy to teach with on the teachers' side, and second, it should intelligibly give the fundamental concepts in geoscience.

Geoscience covers a wide variety of subjects, which is reflected in the number of the societies within the Union. In addition, the connections between the subjects can be hard to see. Therefore, teachers in other specialties have had difficulty understanding geoscience.

The conventional keys which could connect the contents of geoscience were chronological and spatial scales. However, they were not successful in terms of expressing the various natures of the links.

To express such links successfully, and to lighten the burden which teachers out of the field bear, in this workbook we introduce the diagram system which shows the links between the experiments each of which is categorized into one of the five fields. This system helps teachers as well as students realize that it is important to see how, or in what viewpoint, the core-experiments across fields connect with each other. In this sense, this system suggests the direction in which geoscience education goes.

Keywords: high school, workbook, diagram, viewpoint of link