## Knowledge

# Gestaltung

# Transdisciplinary phosphorus research driven by a participative scientific comic

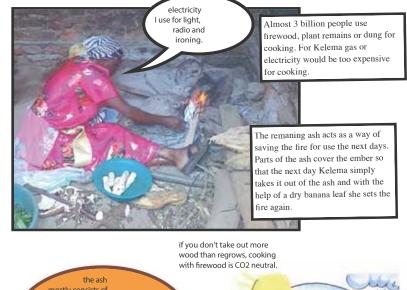
Jens Kirstein\*, Marc Schleunitz, Alexandra Hamann, Reinhold Leinfelder

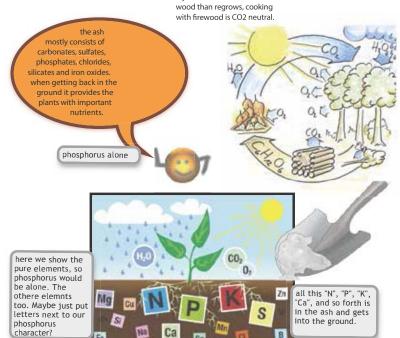
### Research



Mind map and storyline of the scientific comic in progress

### Storyboard





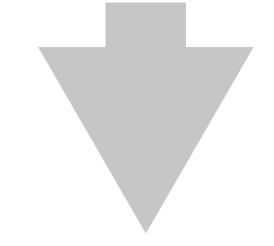
Extract of the storyboard arose from the dialogue with the protagonist Kelema and the consequent scientific research



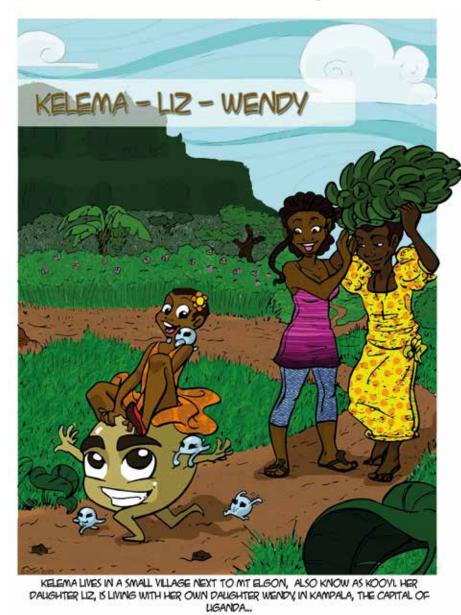
Sketch



Cameroonian artist Elyon's



**Comic Page** 



Sample comic page drawn by the Cameroonian artist Elyon's

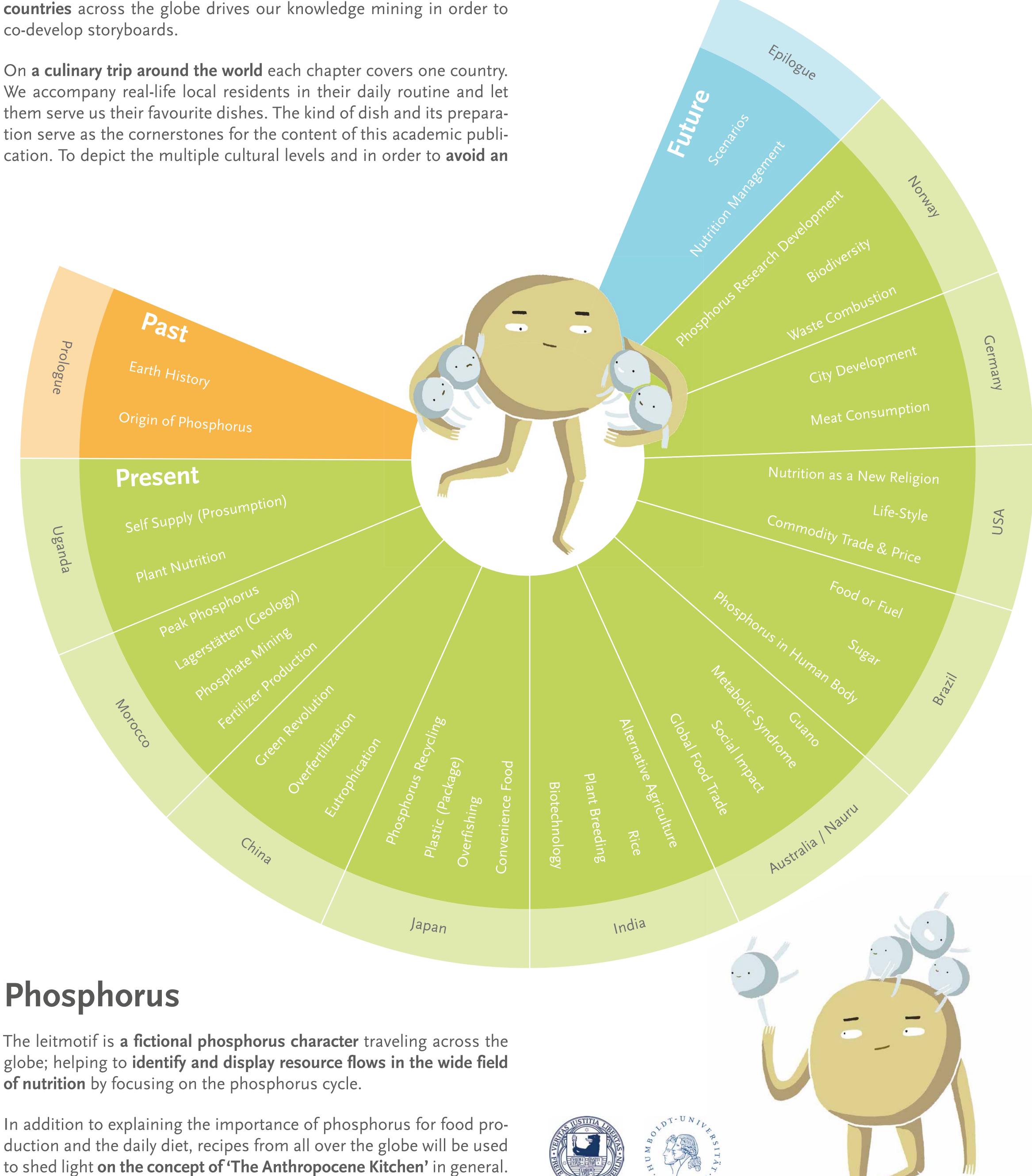
# Storyboard Development

Society driven transdisciplinary research is increasingly considered as an alternative to classical sectoral science. One goal of the project is to produce the participative and intercultural scientific comic 'The Anthropocene Kitchen', showing the individual kitchen as a global 'reality laboratory' and highlighting the connection between food habits and resource consumption.

The comic is not only supposed to create additional knowledge around the topic of eating and to initiate a more conscious individual approach towards the issue, but is meant to be a compass for reviewing and reassembling scientific as well as societal knowledge. Since individual consumption behaviour can have direct impact on a global level, the dialogue with protagonists or local-staff from ten different countries across the globe drives our knowledge mining in order to

On a culinary trip around the world each chapter covers one country. We accompany real-life local residents in their daily routine and let them serve us their favourite dishes. The kind of dish and its preparation serve as the cornerstones for the content of this academic publication. To depict the multiple cultural levels and in order to avoid an eurocentristic perspective, not only the protagonists, but also the illustrators come from the respective countries. The sketching styles are manifold and thus represent the world's cultural diversity. The collaborative process of creating the storyboards plays an important role in defining demand and direction of research, keeping in mind the scientific integration of generated data.

The comic itself is to be seen as a novel form of innovative publication approach. In addition, a more classic scientific book will gather the scientific knowledge retrieved from the entire process. This may then serve as an additional source for interested readers, as well as for scientists from a great variety of different disciplines.



global acts) will be examined.

Besides cooking and eating (as individual acts), the balancing of re-

sources, channels of supply, and energy- and material-cycles (as