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Mining's contribution to national economies – critical raw materials in transition to a low carbon future

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RESOURCE MANAGEMENT WEEK 2021

NABLING SUSTAINABILITY PRINCIPLES IN RESOURCE MANAGEMENT

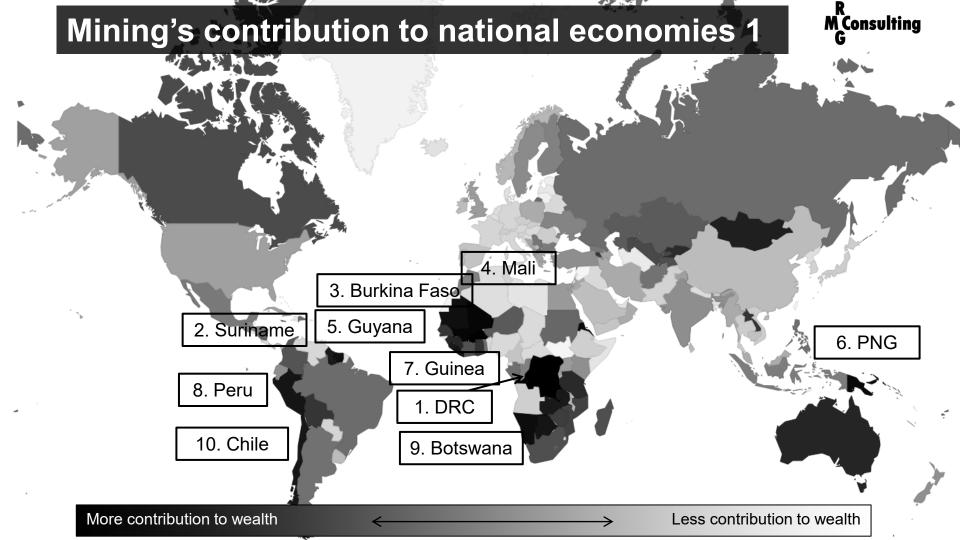






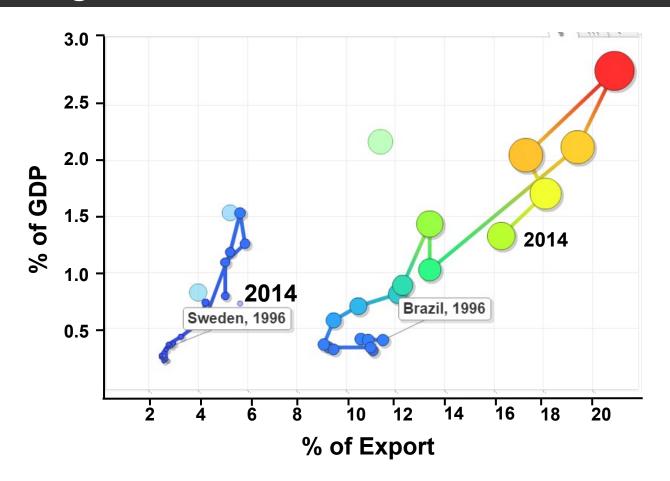
Mining's contribution to national economies

Vanadium drawing: Kaianders Sempler.



Mining's contribution to national economies 2







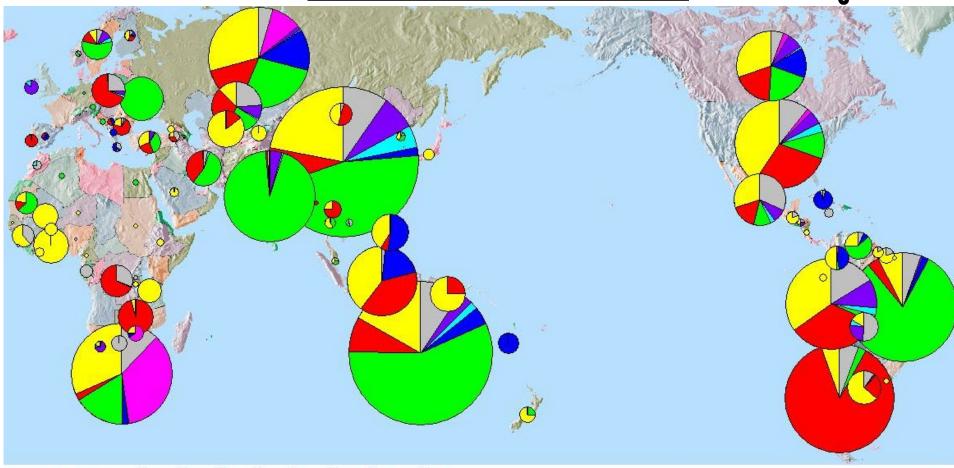




REM drawing: Kaianders Sempler.

Global mine production



















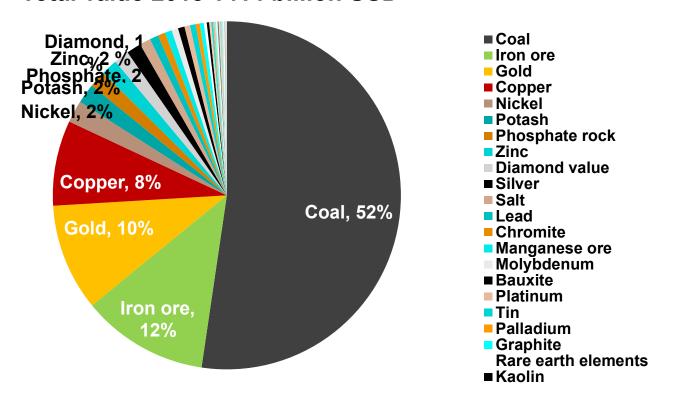




Value at mine stage

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Total value 2018 1414 billion USD

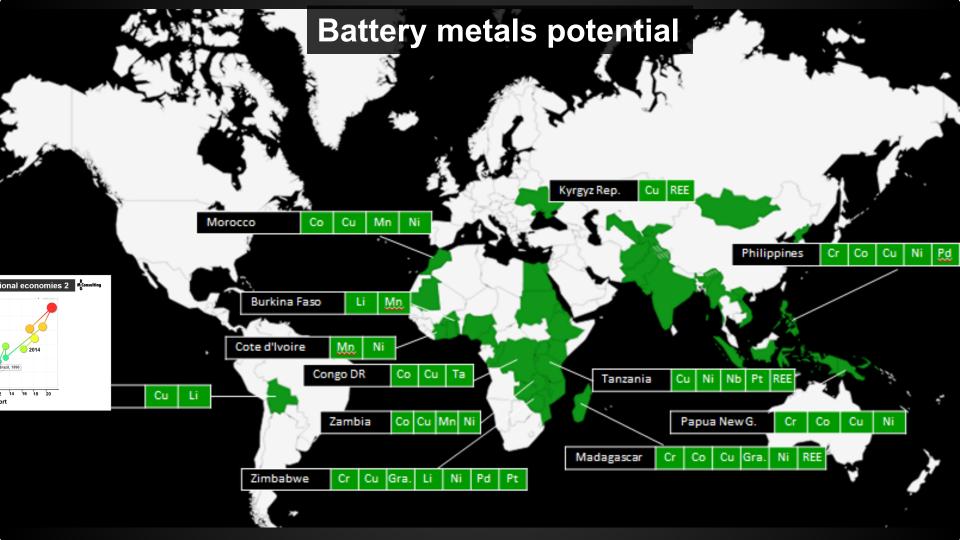


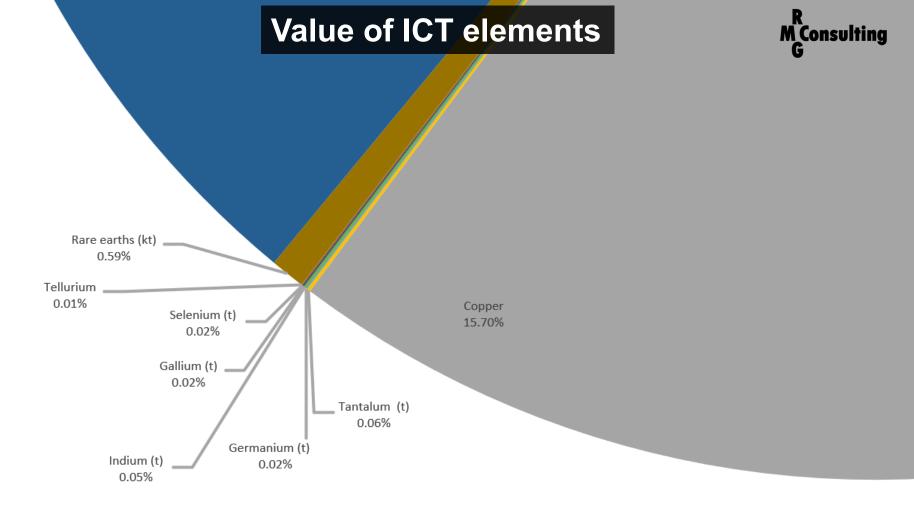


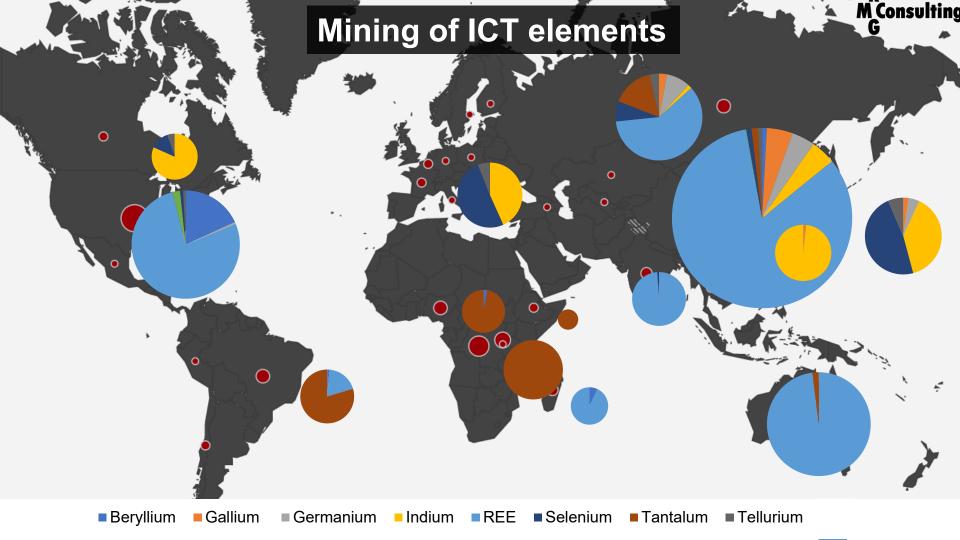


Metals for a low carbon future

Manganese drawing: Kaianders Sempler.





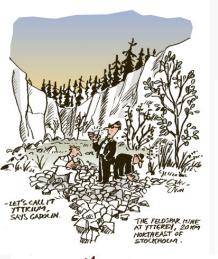


Conclusions



- > Transition to a fossil free future (LCF) is a transition from hydro carbons to metals.
- ➤ Demand for copper, cobalt, nickel and other metals for a LCF increase but also for iron, zinc and other metals.
- Mining already today major contributor for many LIC and LMIC economies increased role in the future.
- Unique opportunity to benefit from the expected future growth of demand for these metals and minerals for LIC and LMIC.
- ➤ Ten countries set to benefit, 8 from Africa and PNG and the Philippines. Among the African countries with the best possibilities are Zimbabwe, the DRC, Tanzania and Zambia.
- > ICT elements less important for developing countries low volumes and values.







Thank you!

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