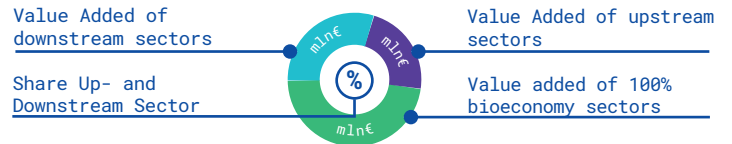


# Value Added of the EU bioeconomy

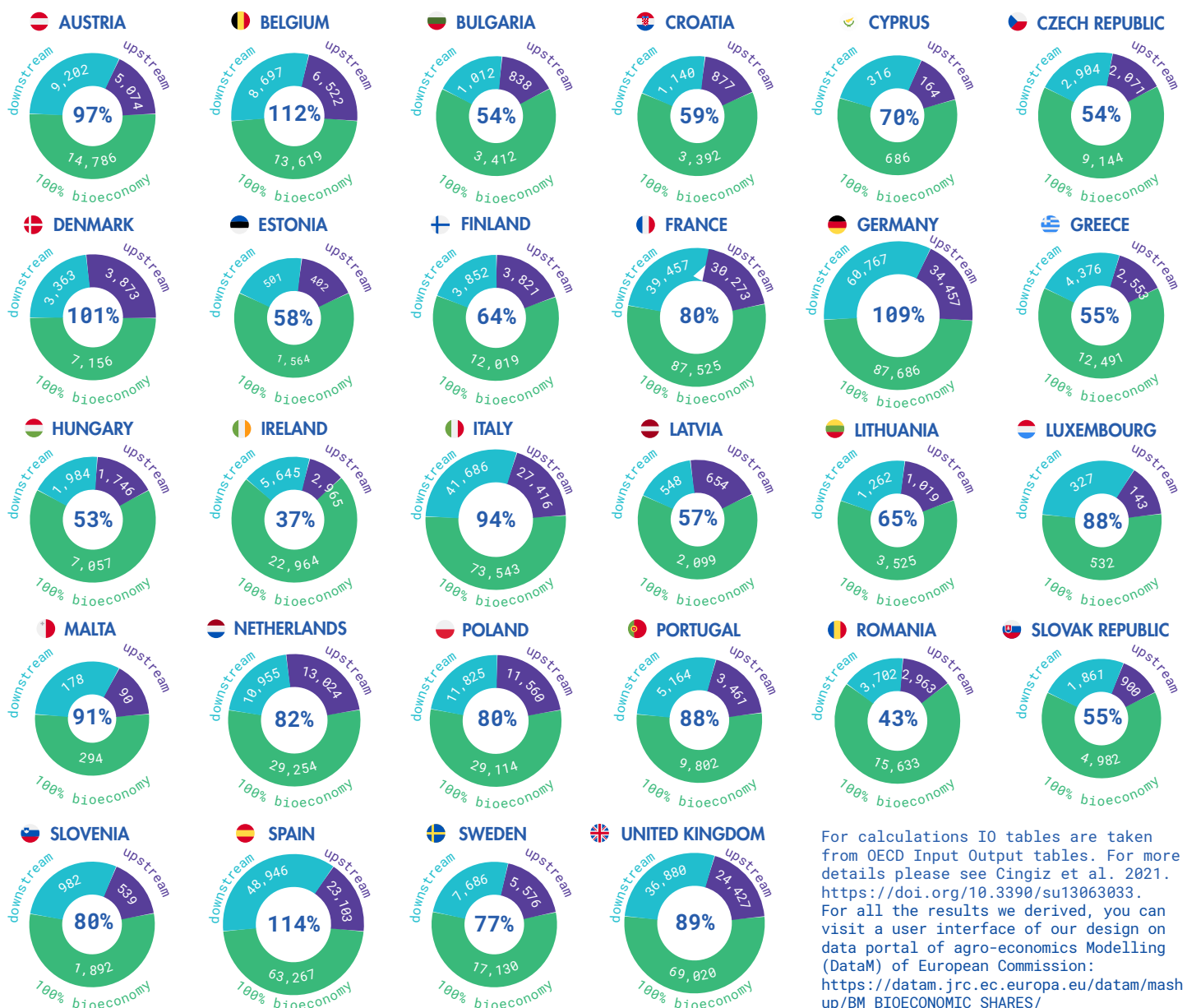
(= value added of the 100% bioeconomy sectors + value added of upstream effect + value added of downstream effect)

Input output flow between 100% bioeconomy industries and partly bioeconomy industries creates the downstream and upstream effects. These effects represent the bioeconomy value added generated at partly bioeconomic industries by input flow from 100% bioeconomy industries to partly bioeconomy industries (downstream) and by output flow from partly bioeconomic industries as input to 100% bioeconomic industries. Hence, we measure the bioeconomy value added that is not directly apparent as agriculture, forestry and fishing but rather hidden under other partly bioeconomy industries such as construction. The results cover 27 European Union Member States and UK and 16 industries of BioMonitor scope from 2005 to 2015. In this infographic the data displayed are for 2015.

112% for Belgium shows that the size of the value added of bioeconomy of partly bioeconomy industries, calculated by up- and downstream effects, is 112% the size of the fully bioeconomy industries' value added.



Circles' size shows difference in total Value Added



For calculations IO tables are taken from OECD Input Output tables. For more details please see Cingiz et al. 2021. <https://doi.org/10.3390/su13063033>. For all the results we derived, you can visit a user interface of our design on data portal of agro-economics Modelling (DataM) of European Commission: [https://datam.jrc.ec.europa.eu/datam/mashup/BM\\_BIOECONOMIC\\_SHARES/](https://datam.jrc.ec.europa.eu/datam/mashup/BM_BIOECONOMIC_SHARES/)