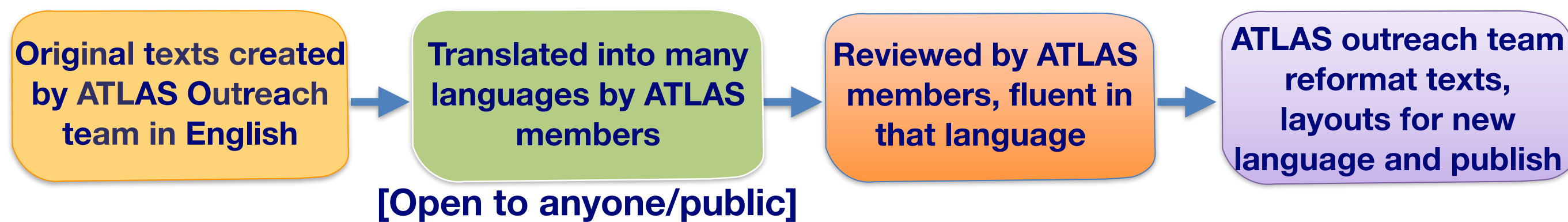


## Why ?

- ❖ There are ~7000 spoken languages in the world. To make science accessible to everyone, science communication in different languages is a necessity.
- ❖ ~5900 ATLAS collaborators are citizens of **103 different countries** → native speakers of many different languages.
- ❖ As vast majority of educational material is only published in English, availability of materials in other languages may help science find many new audiences.
- ❖ With help of multilingual members of the collaboration, an effort is underway in ATLAS collaboration to translate educational material into as many languages as possible.

## How ?

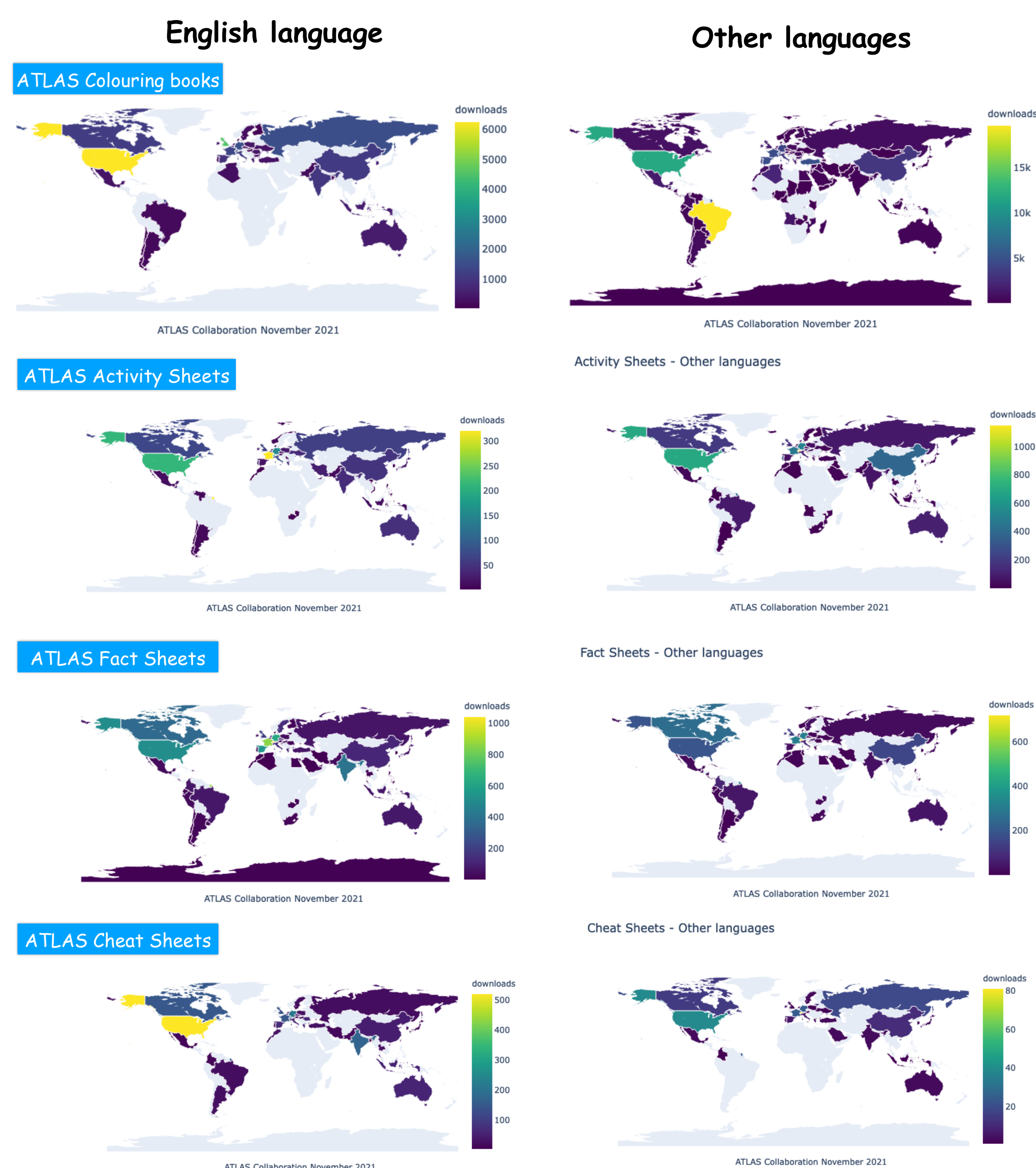
### Translations of educational materials



Educational materials	Publication time	No. of languages	Languages
ATLAS Colouring book	November 2016	21	English, French, German, Spanish, Italian, Portuguese, Welsh, Romanian, Slovak, Ukrainian, Greek, Bulgarian, Russian, Hebrew, Polish, Swedish, Turkish, Urdu, Arabic, Bengali, Chinese
ATLAS Particles of the Universe	January 2020	11	English, French, German, Spanish, Italian, Greek, Chinese, Polish, Portuguese, Finnish, Urdu
ATLAS Activity Sheets (6)	April 2021	7	English, Spanish, French, Italian, German, Portuguese, Chinese
ATLAS Fact Sheets (10)	March 2021	4	English, Spanish, French, Italian
ATLAS Cheat Sheets (3)	March 2021	3	English, Spanish, French
Guide for Parents and Teachers	February 2022	2	English, Portuguese

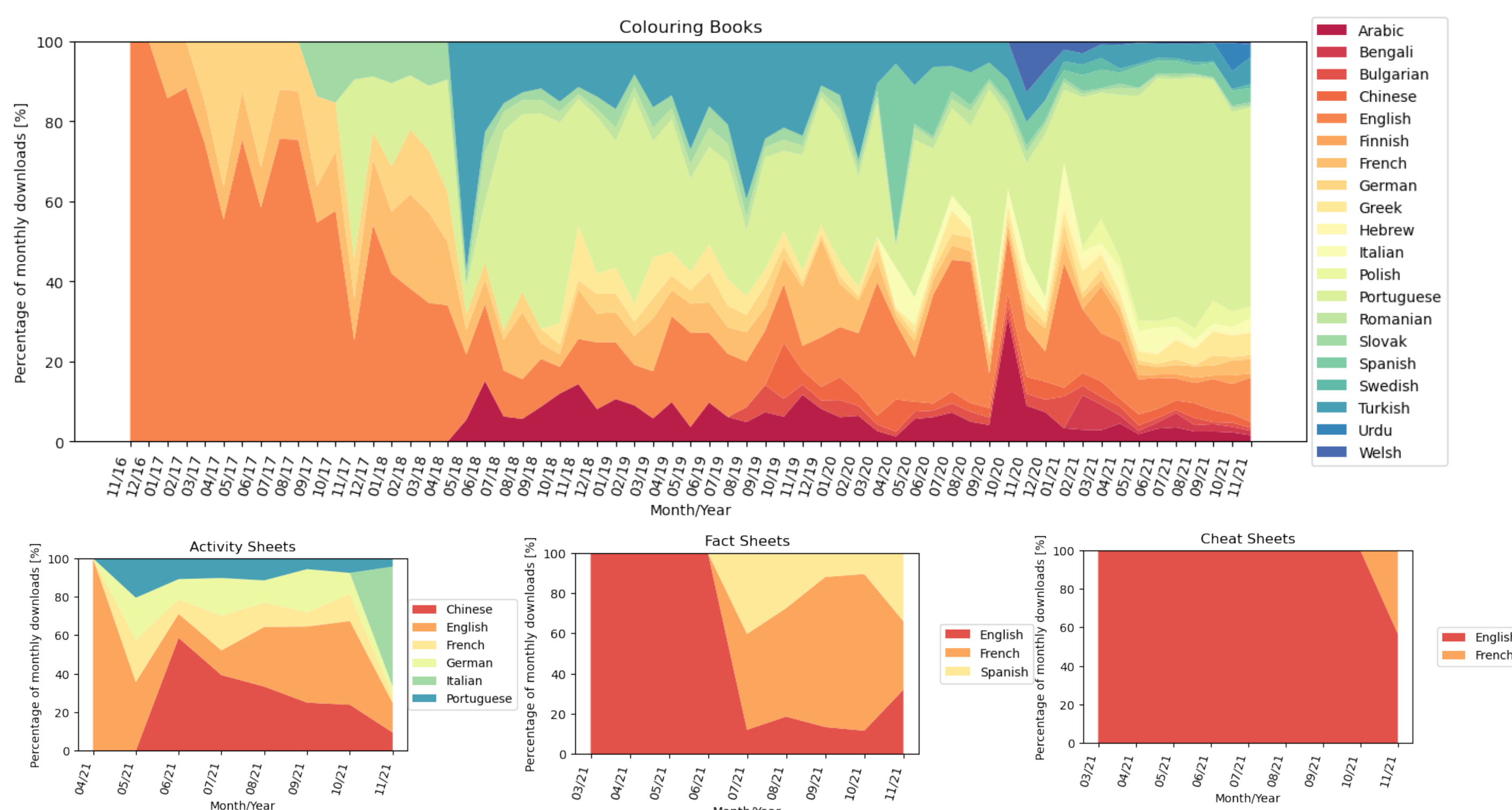


### World maps of downloads of ATLAS printables



### Monthly data on translated ATLAS materials

Downloads of the ATLAS printable in different languages as a function of time :



### Other Multilingual efforts for education & outreach

- ❖ CERN (ATLAS) guided tours are offered in at least **27 different languages**.
- ❖ Particle Physics Masterclasses of ATLAS are offered in **13 different languages** : Czech, Danish, English, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Slovak, Spanish, Turkish.
- ❖ Outreach events organized in different languages by regional research groups & individual ATLAS members from/in different countries.

## Conclusions

- ❖ A lot of multilingual resources are provided by ATLAS, we rely on volunteers for translations -> open to public contributions -> If interested, contact at <https://atlas.cern/Contact/Outreach> .
- ❖ Download data of ATLAS printables has been presented.
- ❖ ATLAS Colouring Books and Activity Sheets (available in a greater number of languages) downloaded many times.
- ❖ Multilingualism in ATLAS' Science communication has been successful in reaching out to many more audiences around the world.
- ❖ Drawing on collective experience of ATLAS experiment an even greater increase in multilingual science communications can be achieved.