

## **Supporting Information**

**Appendix S1.** Guidelines for the recording of dates of introduction/ first record and conversion of dates to whole numbers.

*Dates of first introduction/ first report was recorded as Date of introduction\_before and Date of introduction\_after*

- If the information was ‘the species arrived in XX century’, 1900 was recorded in the date before column and 1801 in the date after.
- If the information (especially plants in Europe) was ‘arrival before 1500’ only the date before was recorded as 1500.
- If the information was ‘in the second half of 1800’ the date before was recorded as 1900 and the date after as 1851.
- If the date was precisely recorded (for example as 1979) the date before and date after were recorded as 1979.

*Conversion of dates to whole numbers*

- If the date\_before and date\_after were the same (e.g. 1912) - the converted whole number was 1912.
- If the date\_before was 2014 and date\_after was 2000 - the converted whole number was the mid-point 2007.
- In the case of only the date\_before being recorded (e.g. 1500) the converted whole number was 1500.