Daring crossing or cautious detour?



and wintering in Africa

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Transatlantic migration flyway

- Link between Canadian High Arctic and Europe or Africa
- Major barriers along the way: Greenland icecap and the Atlantic Ocean

Objective: investigate seasonal migration strategies of a Nearctic migrant confronted with major ecological barriers

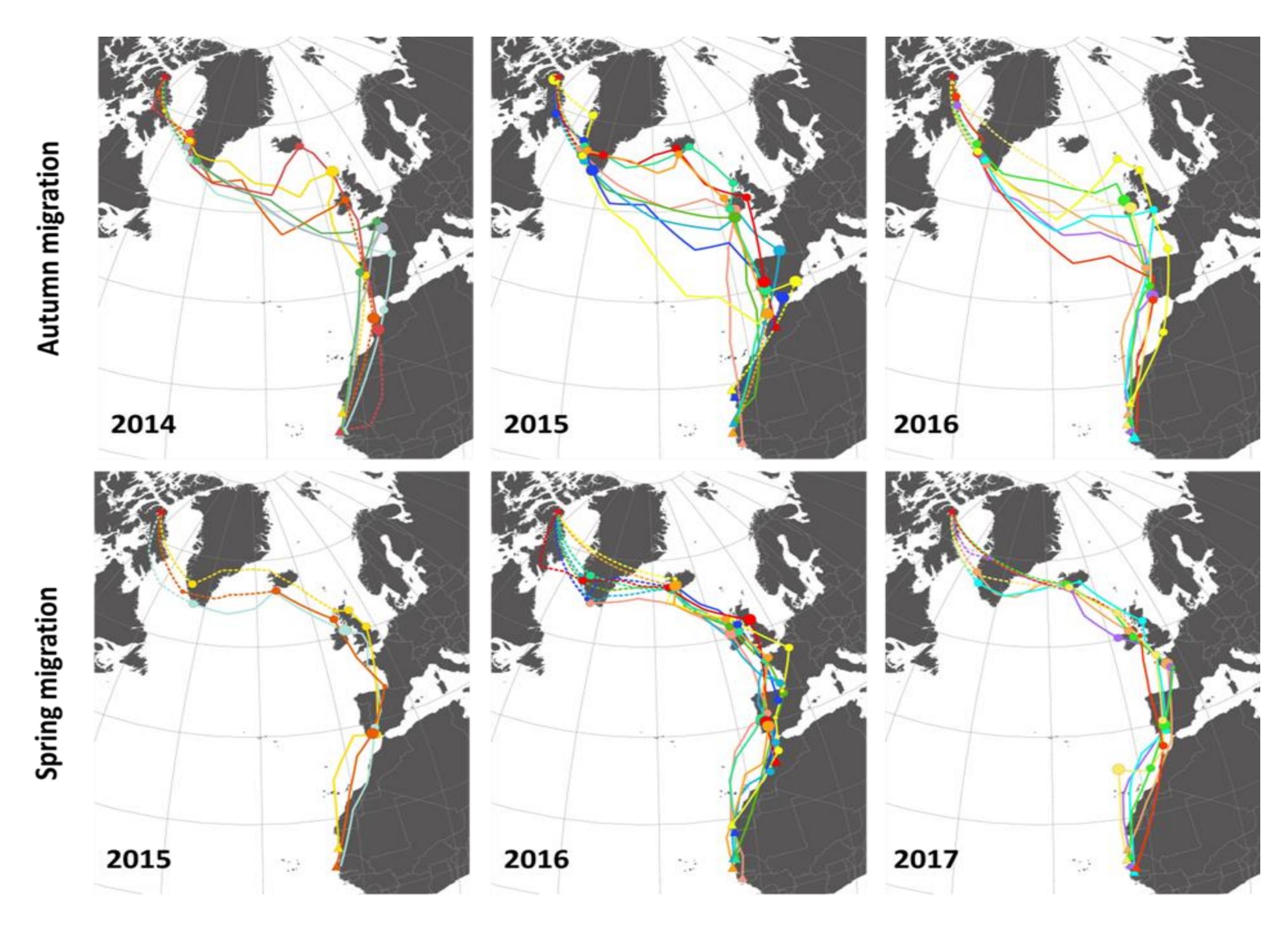
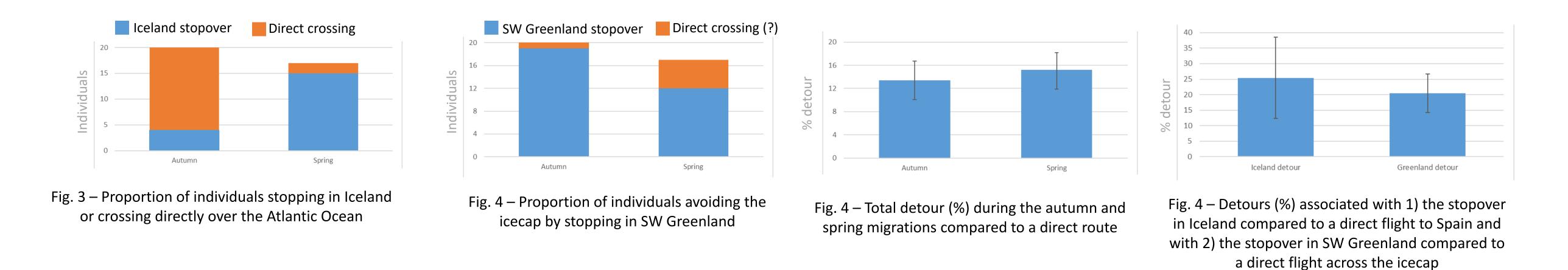


Fig. 1 - Migration paths of Ringed Plovers breeding on Bylot Island (\star) and tracked during the autumn migration (upper panels, n = 20 individuals) and spring migration (lower panels, n = 17 individuals).



Methods

- Study species: Ringed Plover (Charadrius hiaticula)
- Captured at the breeding site: Bylot Is (Nunavut, Canada)
- Geolocators (1g) attached on a leg band
- Migrations tracks recovered from 20 individuals

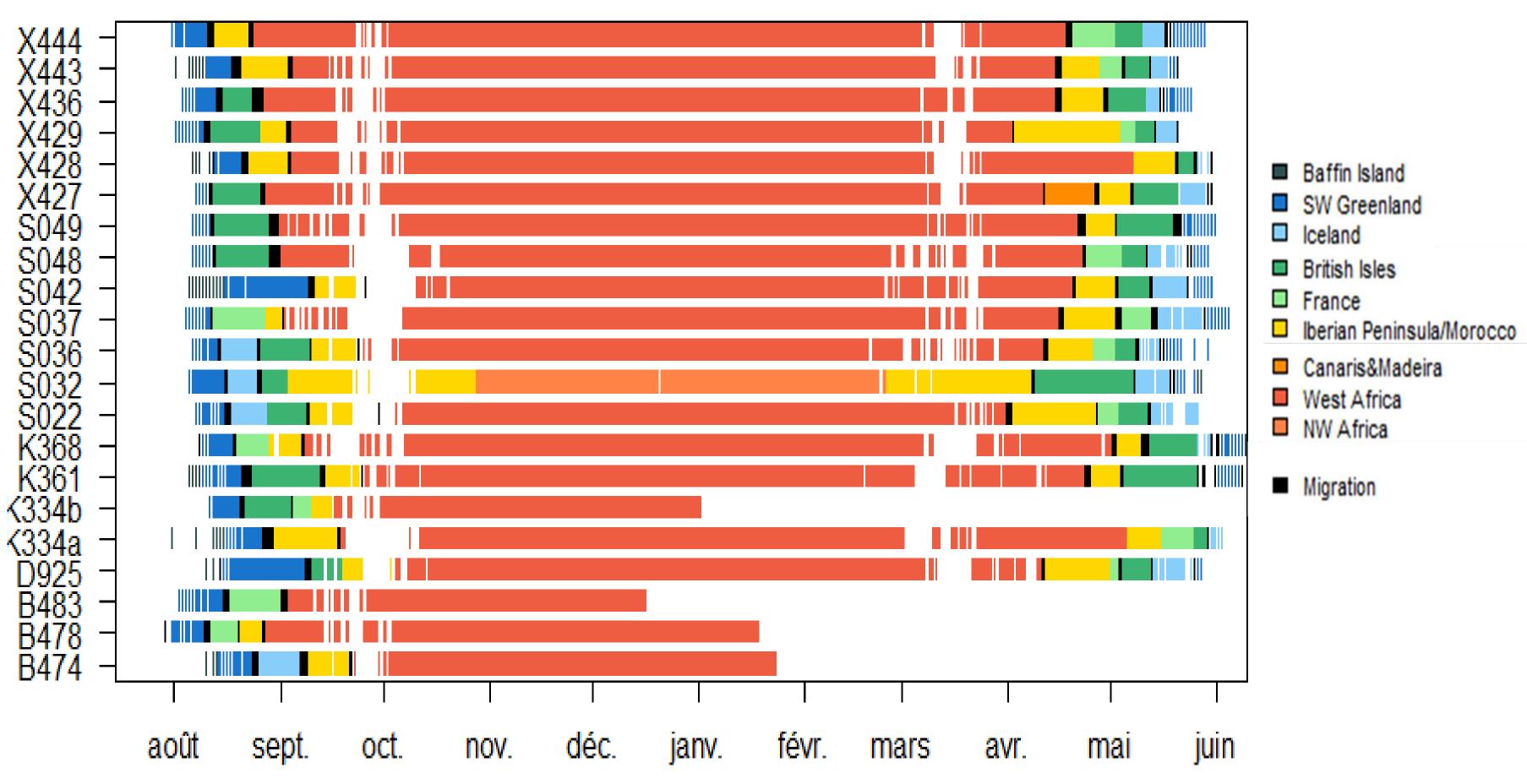


Fig. 2 – Timeline of stopovers and wintering sites used par Ringed Plovers during their annual cycle

Discussion

- Iceland is a crucial stopover site in spring
- Northerly migration route in spring
- Direct transoceanic flight in autumn only
- Inter-individual variability in strategies in autumn
- Related to prevailing wind pattern over the Atlantic









