MIGRATION UNDER GLOBAL CHANGE

Mitigating threats to help birds adapt

Shorebirds experience threats throughout their migratory journeys. Their Arctic breeding grounds are changing. As the Arctic spring warms, shorebirds need to travel faster to arrive in the Arctic in time to make use of the best breeding conditions. While shorebirds adjust to this change, stopover sites where they prepare for migration are under pressure from human development, with less food and space available to help them on their journey. To cope with these multiple challenges, shorebirds need well-connected networks of stopover sites where they can find food and rest, in order to adjust their migrations to a changing climate.

Migratory shorebirds

The Arctic is home to more than half of the world's shorebird species (CAFF, 2010). These birds criss-cross the globe and return to the Arctic every spring lay eggs, raise the next generation and make use of the bountiful Arctic spring. Here, godwits are used as a representative of this larger species group, which also includes Dunlin, Phalaropes, Knots, Sandpipers, and Curlews, many of which are experiencing dramatic population declines (CAFF, 2021).

