

## UNEP-WCMC OPPORTUNITIES

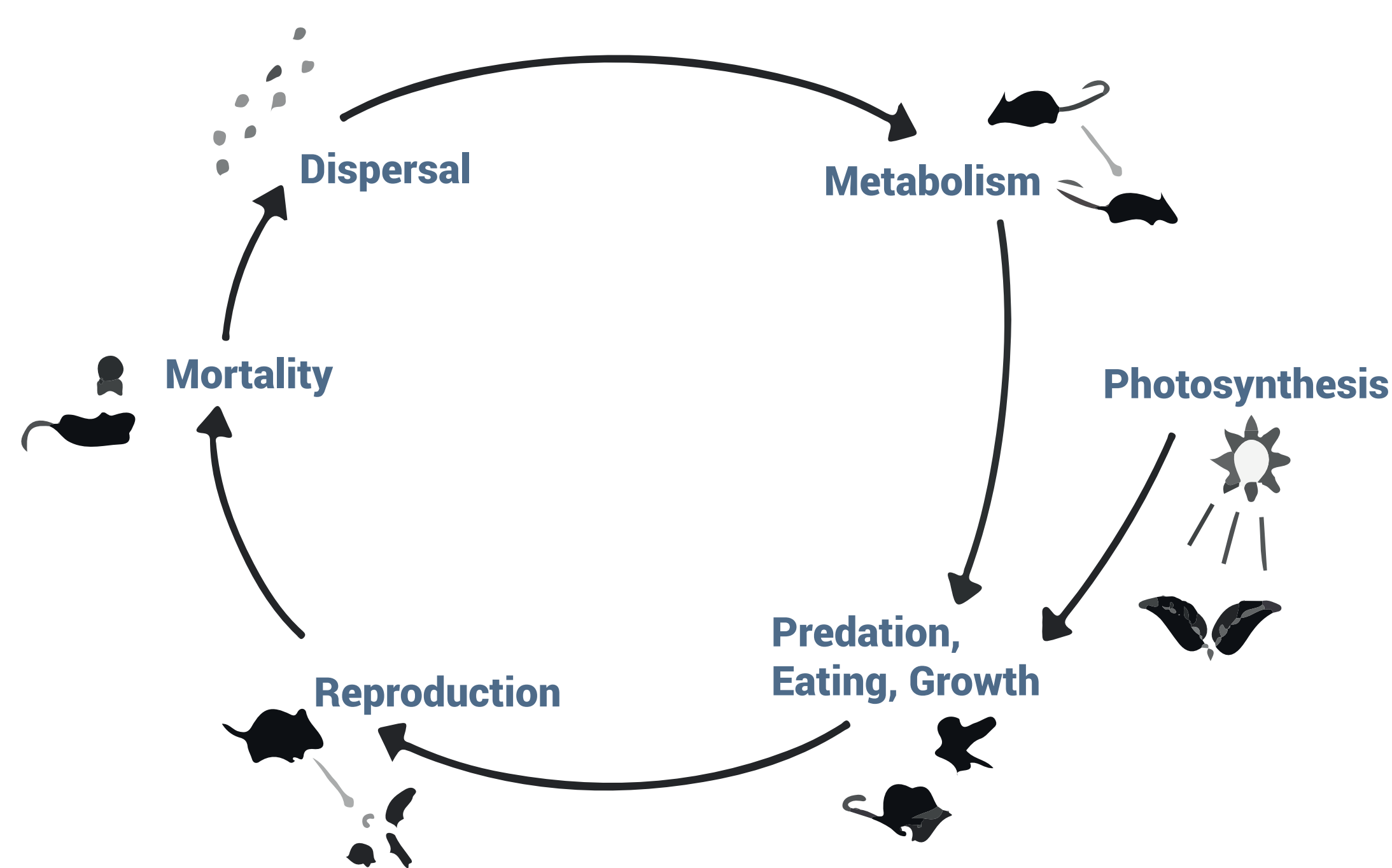
# THE ARCTIC IN A GLOBAL CONTEXT

The Arctic is intrinsically connected to the rest of the world. The UN Environment World Conservation Monitoring Centre (UNEP-WCMC) is a world leader in biodiversity knowledge. For nearly 40 years we have worked with a global network of scientists and policy makers to place biodiversity and natural capital at the heart of decision-making.

Our work at UNEP-WCMC is increasingly relevant to the changing Arctic. Whether on spatial planning and protected areas, ecosystem assessment and policy support, private sector engagement, or nature-based solutions to climate change, UNEP-WCMC bridges between the Arctic and global issues on the science-policy agenda. With our international network, experience and expertise, we are well placed to bring lessons and solutions from the rest of the world to the Arctic context and ensure that Arctic priorities are embedded in the global agenda for biodiversity and sustainable development to 2030 and beyond.

## THE MADINGLEY MODEL

Contact: [madingley@unep-wcmc.org](mailto:madingley@unep-wcmc.org) or come along to session **KNO13: Technologies and techniques to advance biodiversity monitoring** on **Wednesday 10th October**



The Madingley Model, developed by UNEP-WCMC with partners is a first-of-its kind global ecosystem model in support of policy. It is highly relevant to understanding the dynamics of biodiversity in the changing Arctic. It models the biological and ecological interactions of ecosystems by simulating processes that drive the distribution and abundance of individual organisms, including climate change and fisheries. This pioneering model will trigger a shift in the understanding of biodiversity dynamics that will help governments, companies and citizens to better manage the Arctic environment.

## BUSINESS AND BIODIVERSITY

Contact: [proteus@unep-wcmc.org](mailto:proteus@unep-wcmc.org) or come along to session **MB6: Proteus Partnership: mainstreaming biodiversity information in the extractives sector** on **Friday 12th October**

UNEP-WCMC works to strengthen the values of natural capital in private sector decision-making. As the Arctic changes, opening up opportunities for further exploration and use, engaging the private sector is more important than ever to mitigate development impacts on the unique biodiversity of the Arctic.

The Proteus Partnership is a unique collaboration between leading oil and gas and extractive companies and UNEP-WCMC to provide companies with the biodiversity information they need for better informed decisions and to support the development and improvement of key biodiversity resources.

With future development options for the Arctic in relation to petroleum and mineral resources, tourism and shipping, biodiversity information is critical to underpin sustainability in the Arctic.



## PROTECTED AREAS

Contact: [protectedareas@unep-wcmc.org](mailto:protectedareas@unep-wcmc.org) or come along to session **IAB3: Arctic marine protected areas** on **Wednesday 10th October**

UNEP-WCMC is the global authority on protected areas information. We maintain the World Database on Protected Areas – the most comprehensive global database of protected areas updated every month to provide the best and most current available information on protected areas in the Arctic.

Beyond protected areas, we can provide insights on other area-based conservation activities such as Indigenous conservation areas and privately managed reserves. We bring all this information together to help you make better decisions about land use in the Arctic.



## NATURE BASED SOLUTIONS

Contact: [climate@unep-wcmc.org](mailto:climate@unep-wcmc.org)

UNEP-WCMC's climate-related work focuses on the role of biodiversity and ecosystems services in supporting nature-based solutions to climate change adaptation and mitigation.

We support decision-makers, planners and practitioners in the public and private sectors in developing and implementing strategies to help people and biodiversity adapt to climate change, including through assessing social-ecological vulnerability, evaluating and selecting appropriate adaptation measures and developing monitoring and evaluation systems to understand impact. We also work to ensure effective biodiversity safeguards are implemented in climate mitigation measures.

