

# Climate Change Risk Assessment

## Priority **Key**

**A =**  
more Action needed

**S =**  
Sustain current action

**R =**  
Research priority

**W =**  
Watching brief

\* = Policy areas relevant to this risk are reserved

△ = Risk applies to multiple outcomes and/or priorities

# Our international networks are adaptable to climate change

## Sub-Outcome

Scotland's international food supply networks are resilient to the effects of climate change

Scotland is active in international governance, helping to manage the potential international instability caused by climate change

Scotland has an internationally open and connected economy which is adaptable to the changing climate

## Risks

It1:  
Risks from weather related shocks to international food production and trade

A

It2:  
Imported food safety risks

R

It3:  
Risks and opportunities from long term, climate-related changes in global food production

R

It4: \*  
Risks to the UK from climate-related international human displacements

A

It5: \*  
Risks to the UK from international violent conflict

R

It6: \*  
Risks to international law and governance

R

It7:  
Opportunities from changes international trade routes

W

## Sub-Outcomes

Scotland's buildings and places are adaptable to Climate Change

People in Scotland's diverse communities are informed, empowered and adapting to climate change.

### Risks

PB5:

Risks to people, communities and building from flooding

R

PB7:

Risks to building fabric from moisture, wind and driving rain

R

PB8:

Risks to culturally valued structures and the wider historic environment

R

PB6:

Risks to the viability of coastal communities from sea level rise

R

Our coastal and marine environment is valued, enjoyed, protected and enhanced and has increased resilience to climate change

## Sub-Outcome

Scotland's coastal and marine environment is enhanced and protected, and has increased resilience to the changing climate.

Our coastal and marine environment's contribution to society and wider climate change adaptation is valued, enjoyed, and maintained.

## Risks

Ne12:  
Risks to habitats and heritage in the coastal zone from sea-level rise; and loss of natural flood protection

W

Ne11:  
Risks to aquifers, agricultural land and freshwater habitats from saltwater intrusion

A

Ne13:  
Risks to, and opportunities for, marine species, fisheries and marine heritage from ocean acidification and higher water temperatures

R

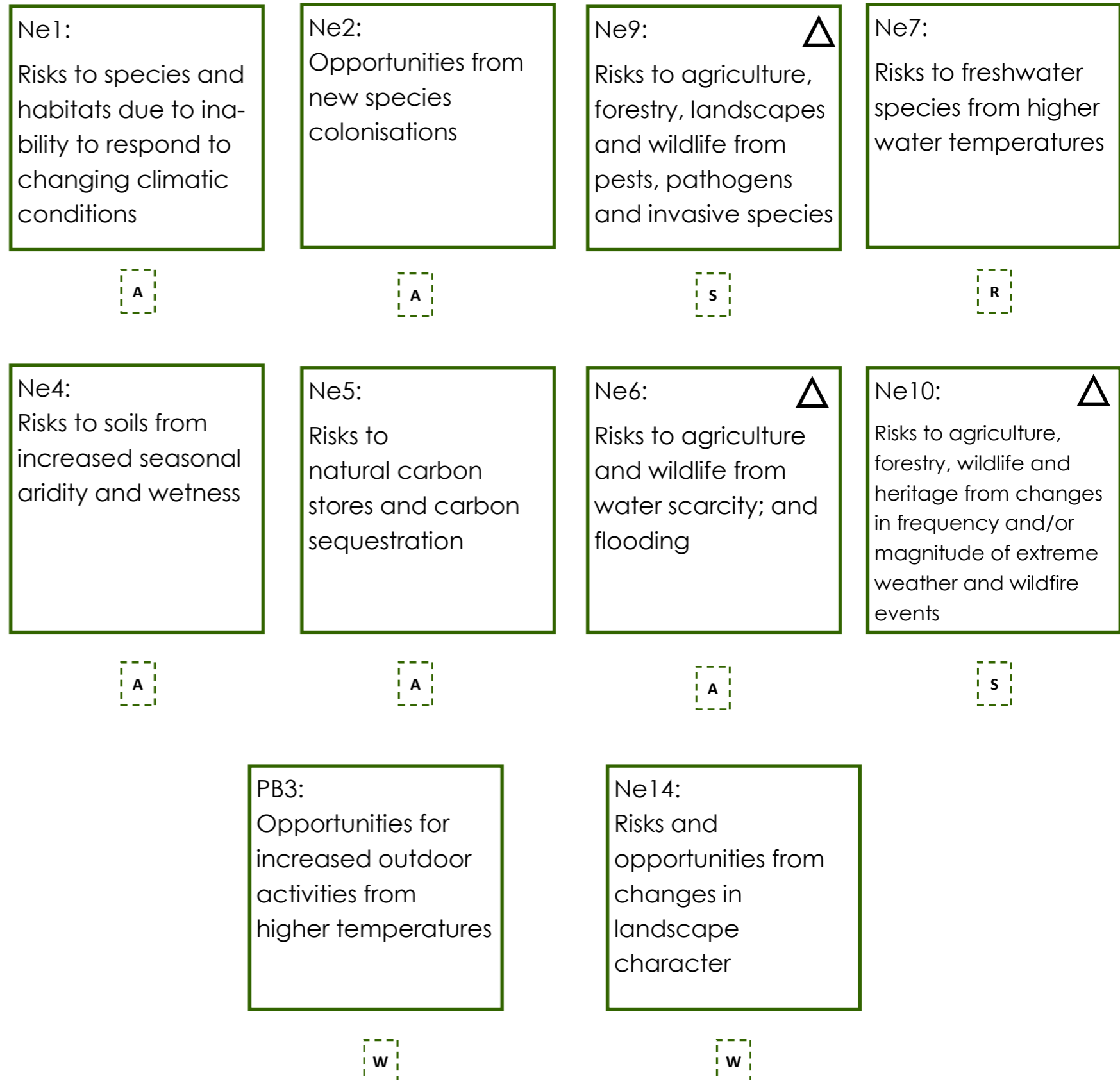
# Our natural environment is valued, enjoyed, protected and enhanced and has increased resilience to climate change

## Sub-Outcomes

Scotland's natural environment is enhanced and protected and has increased resilience to the changing climate.

Our natural environment's contribution to society and wider climate change adaptation is valued, enjoyed and maintained.

### Risks



# Our society's supporting systems are resilient to climate change

## Sub-Outcomes

The interdependencies of Scotland's infrastructure assets, systems and sectors are recognised, and the risk of cascading failures is managed.

Scotland's critical national infrastructure including life line services is resilient to climate change.

Scotland's other non critical infrastructure is adaptable to climate change

Scotland's waste water systems (including waste water treatment, storm drains, blue green infrastructure) are resilient to climate change

## Risks





## Sub-Outcomes

Scotland's rural land-based businesses are informed and adaptable to climate change

Scotland's manufacturing, services and wider economy are informed and adaptable to climate change

Scotland's local economies are enhanced, increasing our economic resilience to climate change

Scotland's economy is innovative and harnesses the opportunities created as a result of climate change

## Risks

Ne8:  
Risks of land management practices exacerbating flood risk

A

Ne10:  
Risks to agriculture, forestry, wildlife and heritage from changes in frequency and/or magnitude of extreme weather and wildfire events

A

Ne6:  
Risks to agriculture and wildlife from water scarcity; and flooding

S

Ne9:  
Risks to agriculture, forestry, landscapes and wildlife from pests, pathogens and invasive species

S

Bu1:  
Risks to business sites from flooding

R

Bu2:  
Risks to business from loss of coastal locations and infrastructure

R

Bu3:  
Risks to business operations from water scarcity

S

Bu4:  
Risks to business from reduced access to capital

W

Bu5:  
Risks to business from reduced employee productivity, due to infrastructure disruption and higher temperatures

R

Bu6:  
Risks to business from disruption to supply chains and distribution networks

S

Bu7:  
Risks and opportunities for business from changes in demand for goods and services

W

### Sub-Outcomes

Scotland's vulnerable people are informed, empowered and supported to adapt to climate change

Scotland's vulnerable people have equal access to high standards of air quality ensuring our populations health

Scotland's health and social care is ready and responding to changing demands as a result of the changing climate

