

Partners In Planning Conference – November 2020
Working With Climate Change In Mind
Adaptation and Adaption



STEVEN ROBB
DEPUTY HEAD: HISTORIC BUILDINGS
PLANNING, CONSENTS AND ADVICE SERVICE

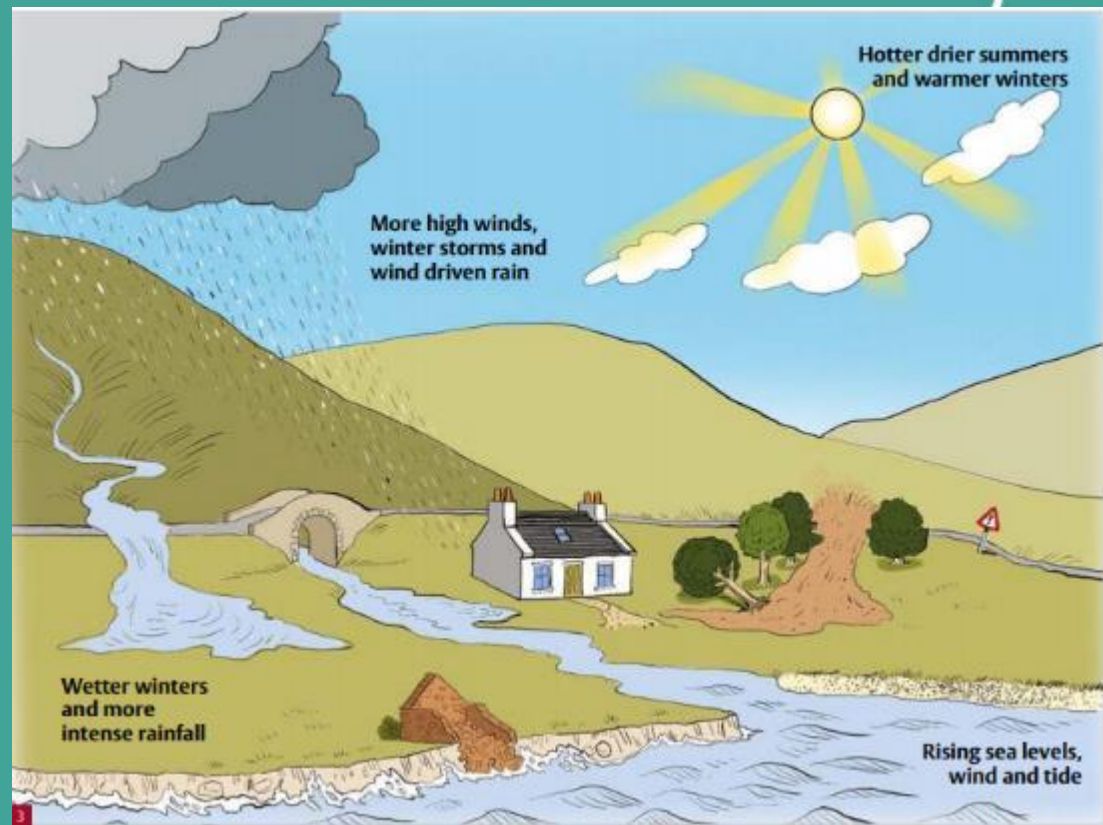
THE EFFECT OF THE CHANGING CLIMATE ON BUILDINGS

WETTER WINTERS AND DRYER SUMMERS

INCREASED RAINFALL
&
WIND DRIVEN RAIN

HIGH WINDS

FLOODING & RISING SEA LEVELS



CLIMATE CHANGE

TRADITIONAL BUILDINGS ADDRESSED SCOTLAND'S CLIMATE

THICK SOLID WALLS – OFTEN HARLED OR LIMEWASHED
STEEP ROOFS (AND SARKING BOARDS) TO THROW OFF WATER
DEEPLY INSET WINDOWS

WE DON'T NEED TO BUILD THIS WAY TODAY – BUT CLIMATE STILL NEEDS TO BE ADDRESSED.



HISTORIC
ENVIRONMENT
SCOTLAND

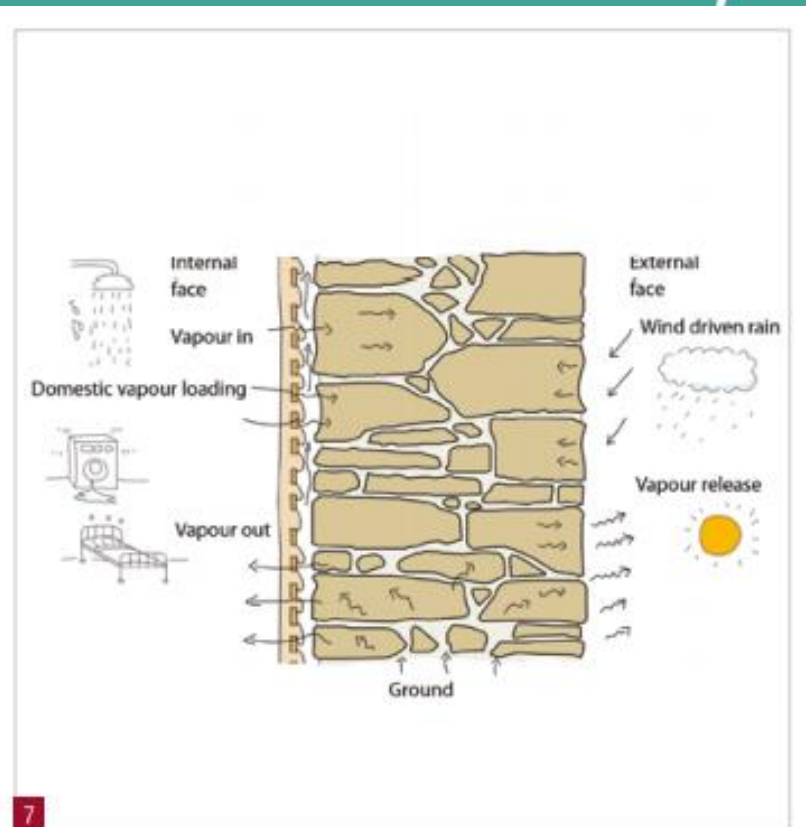
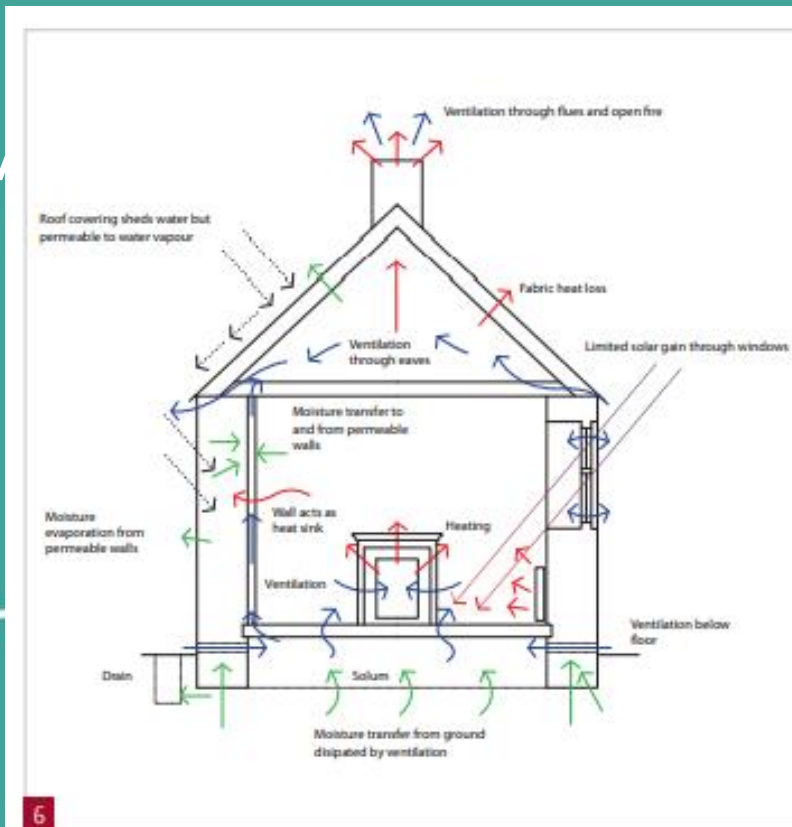
ÀRAINNEACHD
EACHDRAIDHEIL
ALBA

CLIMATE CHANGE

DIFFERENCE BETWEEN TRADITIONAL AND NEW BUILDINGS

BREATHABLE CONSTRUCTION AND VENTILATION

M



6

7



HISTORIC ENVIRONMENT SCOTLAND

ÀRAINNEACHD EACHDRAIDHEIL ALBA

ADAPTATION FOR RESILIENCE COPING WITH CLIMATE CHANGE

ADAPTATION TO INCREASE RESILIENCE

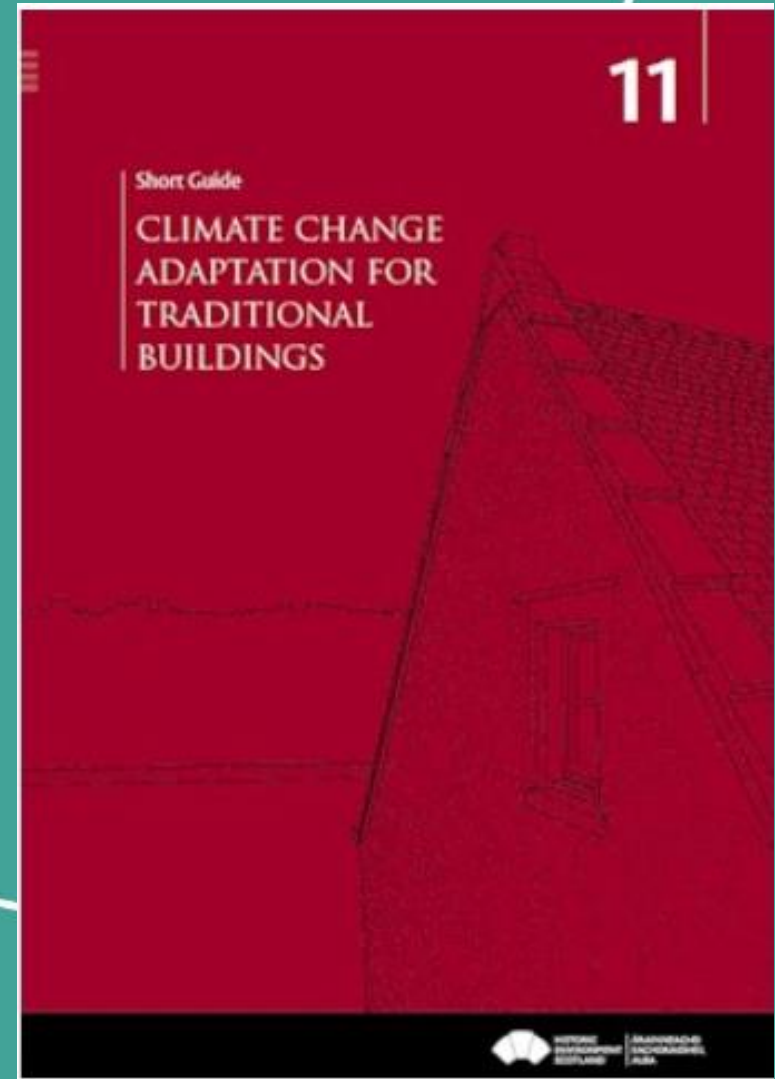
DESIGN AND DETAILING
ROOFS & CHIMNEYS
RAINWATER GOODS
WALLS

INTERNAL CHANGES

VENTILATION

BUILDING SETTING & LANDSCAPING

DRAINAGE
FLOODING



ADAPTION – RETROFITTING IMPROVEMENTS TO ADDRESS ENERGY EFFICIENCY AND REDUCE HEAT LOSS

MAINTENANCE & REPAIR

QUICK FIXES

INSULATION, BOILERS, DRAUGHTPROOFING

RETROFITTING

WALLS

WINDOWS

ROOFS

FLOORS



HISTORIC
ENVIRONMENT
SCOTLAND

ÀRAINNEACHD
EACHDRAIDHEIL
ALBA

BAD AND GOOD



TECHNICAL

HUGE AMOUNT OF
TECHNICAL INFORMATION
ON MANY SUBJECTS

ALL DOCUMENTS ON OUR
WEBSITE.

[WWW.HISTORICENVIRONMENT.SCOT/
ARCHIVES-AND-
RESEARCH/PUBLICATIONS/](http://WWW.HISTORICENVIRONMENT.SCOT/ARCHIVES-AND-RESEARCH/PUBLICATIONS/)

STEVEN.ROBB@HES.SCOT



HISTORIC
ENVIRONMENT
SCOTLAND

ÀRAINNEACHD
EACHDRAIDHEIL
ALBA

