# The National Collections Facility at Granton

## Gateway to Scotland's Art and Heritage

National Galleries of Scotland (NGS) and Historic Environment Scotland (HES) February 2015

NATIONAL GALLERIES SCOTLAND

Royal Commission on the Ancient and Historical Monuments of Scotland

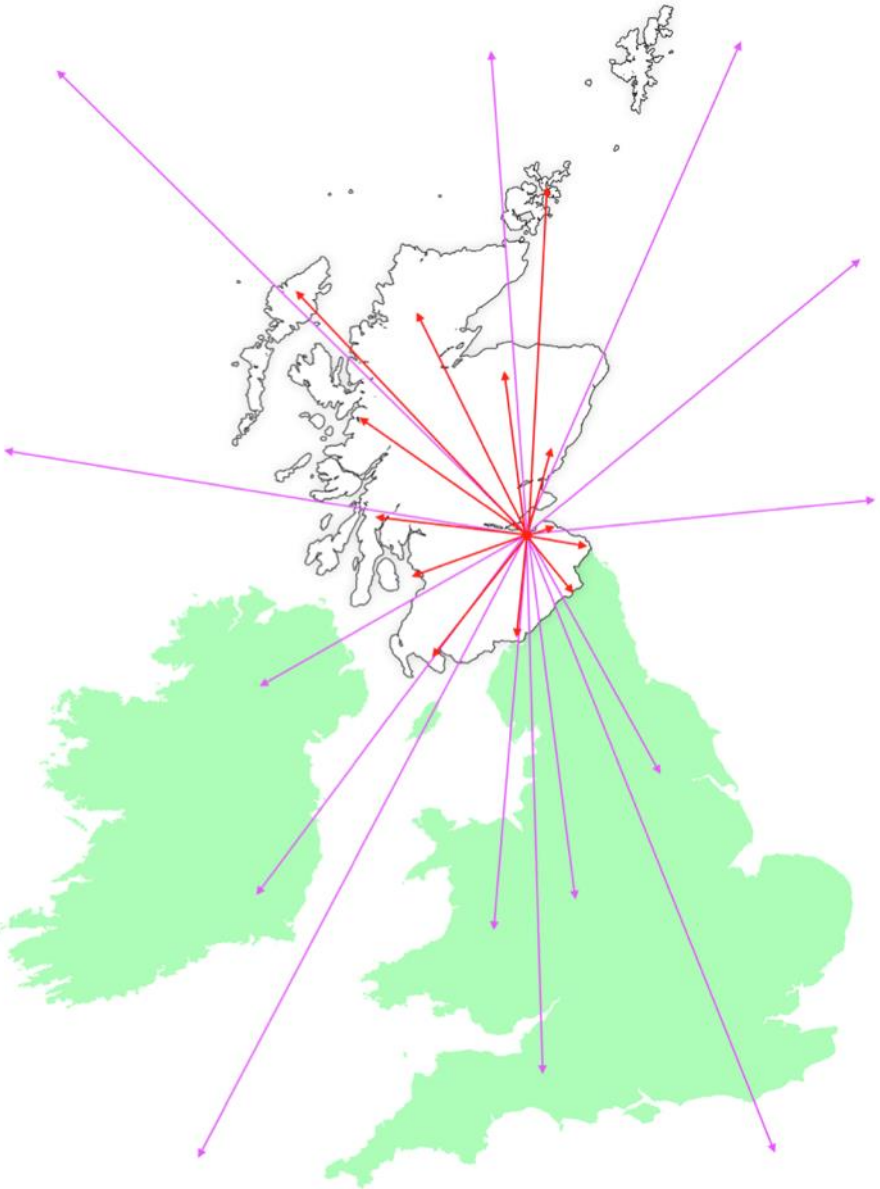
HISTORIC SCOTLAND
ALBA AOSMHOR

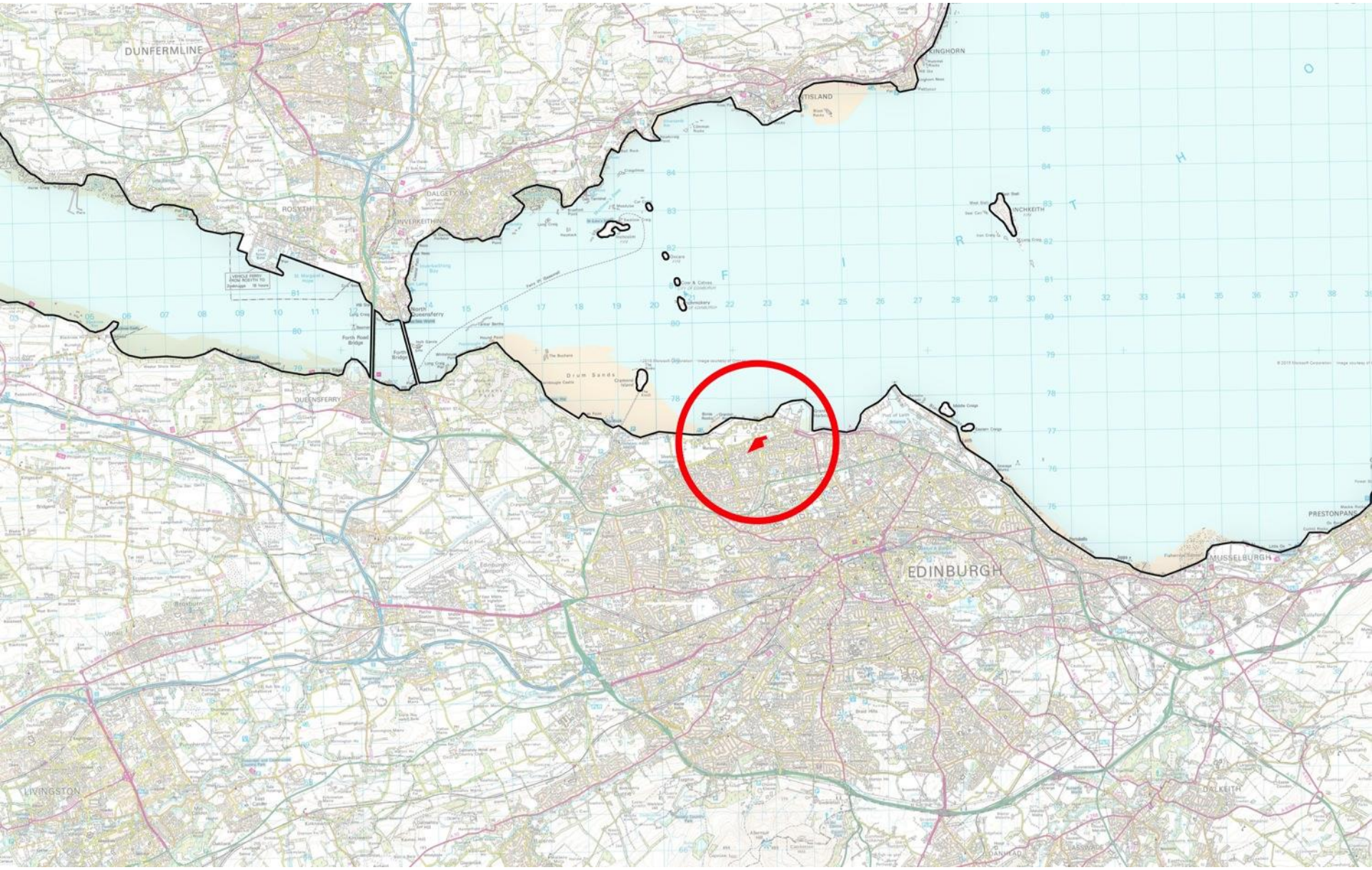
Shaping our Future
Working together for Scotland's historic environment

Roman Brooch, Edinburgh Castle, HS

Forth Road Bridge under construction, RCAHMS

La Femme qui Pleure I, Pablo Picasso,NGS




DUNFERMLINE
ROSYTH
DALGETY BAY
INVERKEITHING
NORTH QUEENSFERRY
QUEENSFERRY
Forth Road Bridge
Drum Sands
KINGHORN
BURNTISLAND
INCHKEITH
EDINBURGH
MUSSELBURGH
PRESTONPANS
LIVINGSTON
DALKEITH

Meeting the environmental conditions required for the safe housing of artworks and artefacts is a critical element of this project.

To ensure these standards are achieved with the lowest possible technical risk, Passivhaus has been adopted.

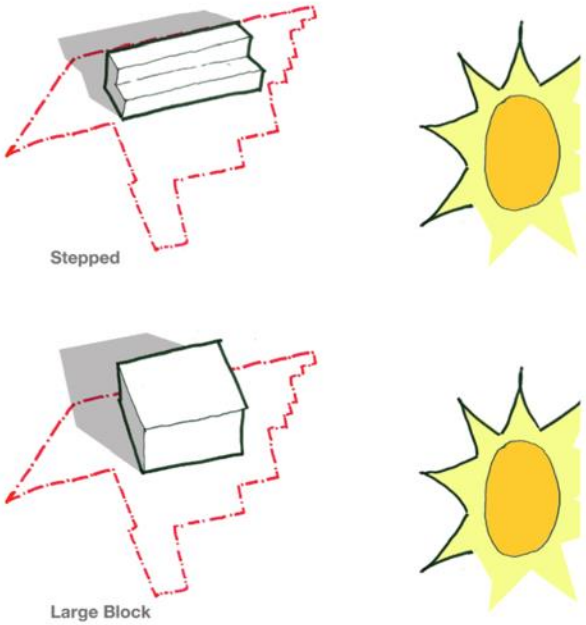
Adopting the rigour of passivhaus drives out unnecessary complexity of design, and reduces the quantity and cost of the mechanical and electrical systems that are otherwise required.

Passivhaus ensures a rational, logical and economical building – that need not cost more to build, and will be much cheaper to run

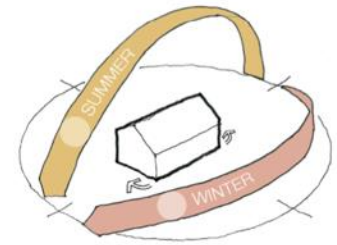
Architype has just completed the new Herefordshire Archive and Records Office, built to the new PD5454, which cost 5% less built to Passivhaus, than to a conventional standard, and will save 90% in running costs.

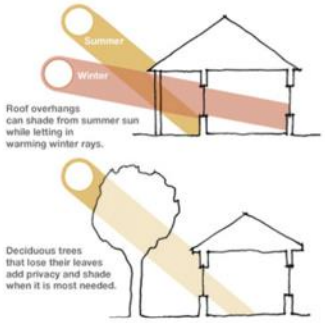
This would be the largest cultural Passivhaus building in the world, putting Scotland at the forefront of international best practice – in both collection storage and energy efficiency.

## Environmental Considerations
[Solar]

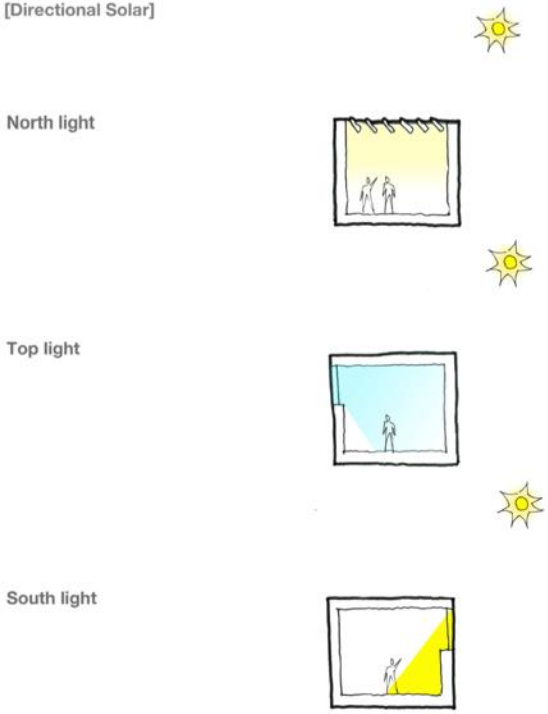


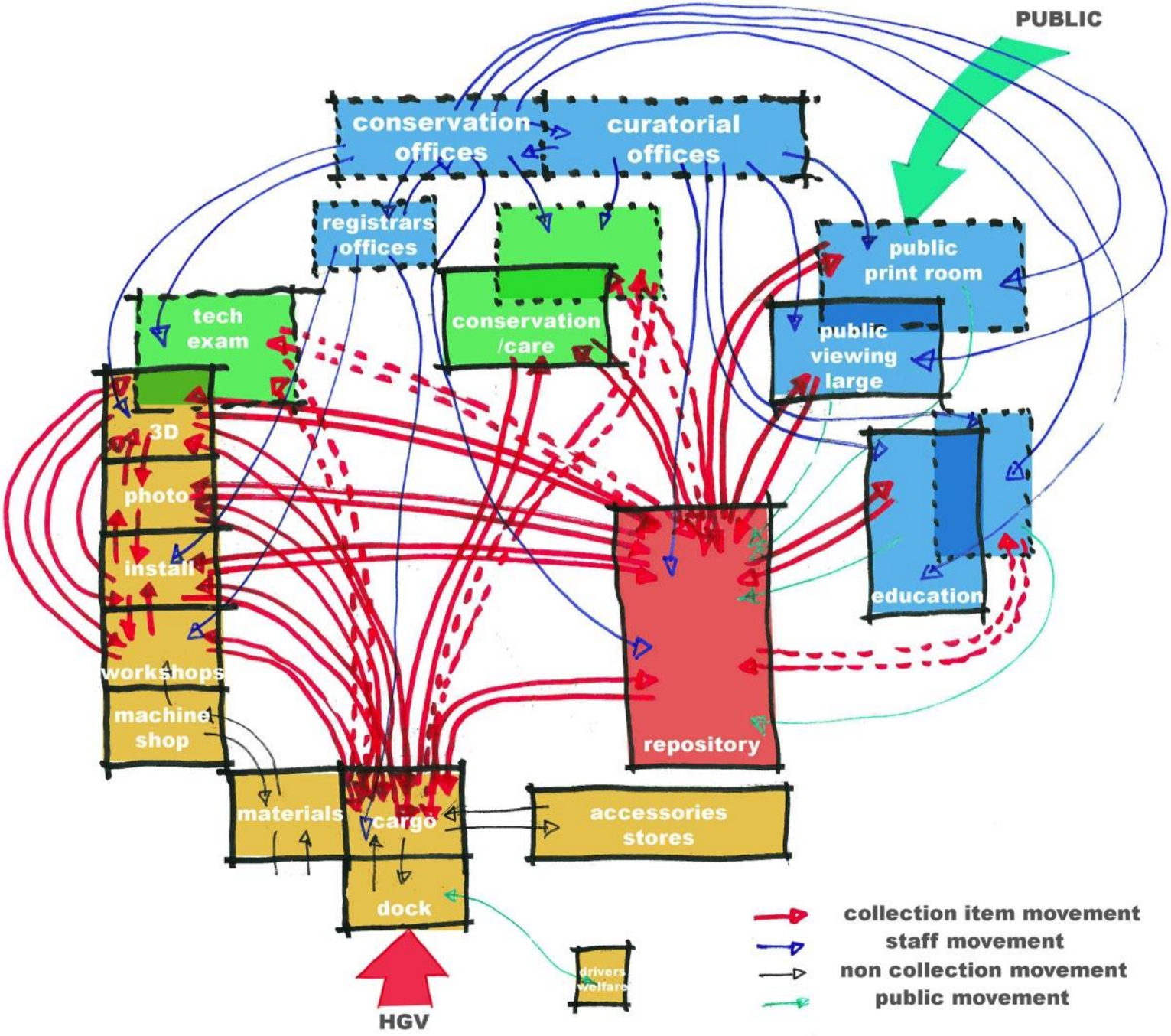

## Environmental Considerations
**[Solar]**
Solar Control



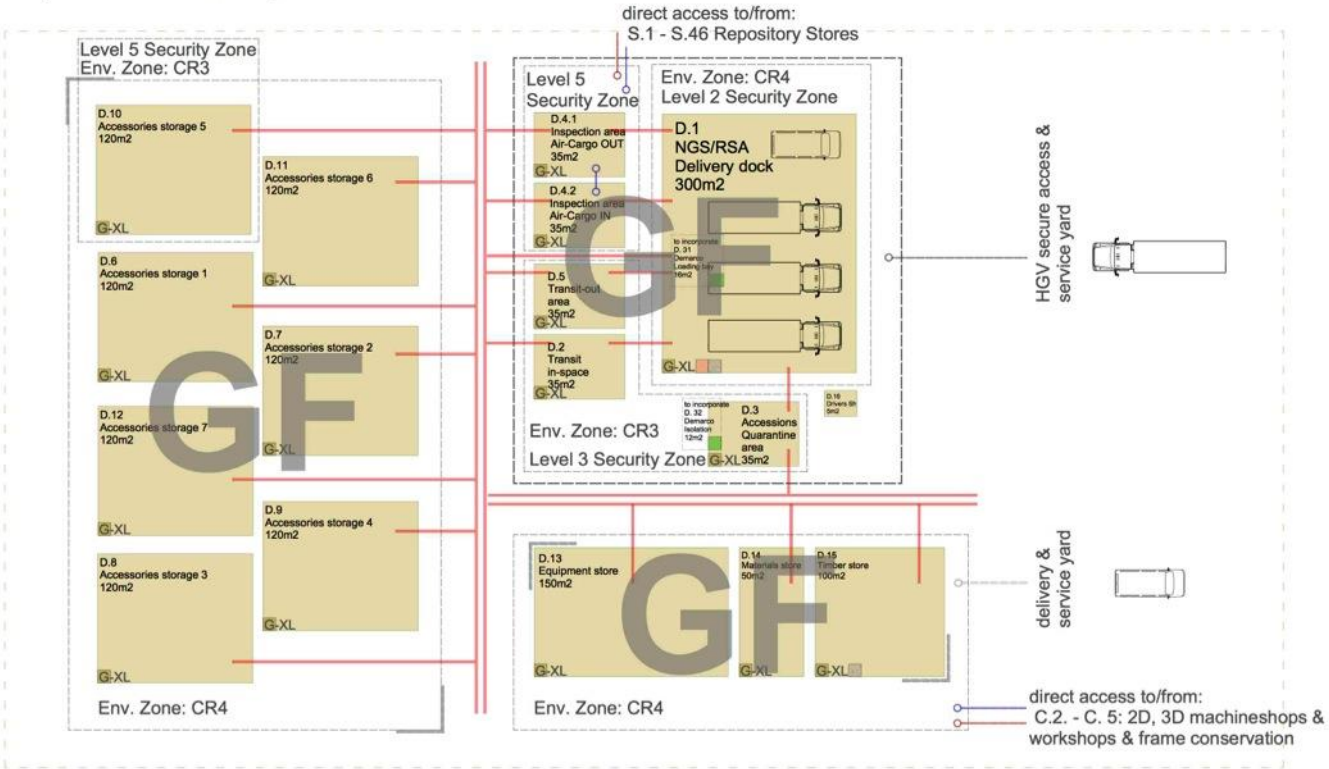

## Environmental Considerations
[Directional Solar]

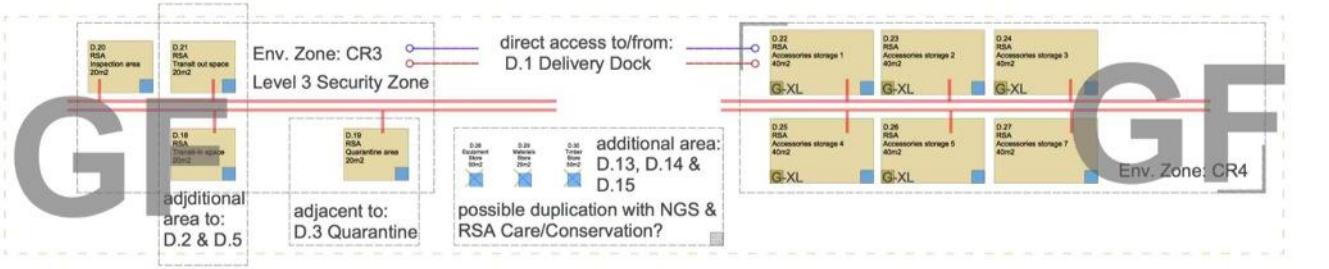


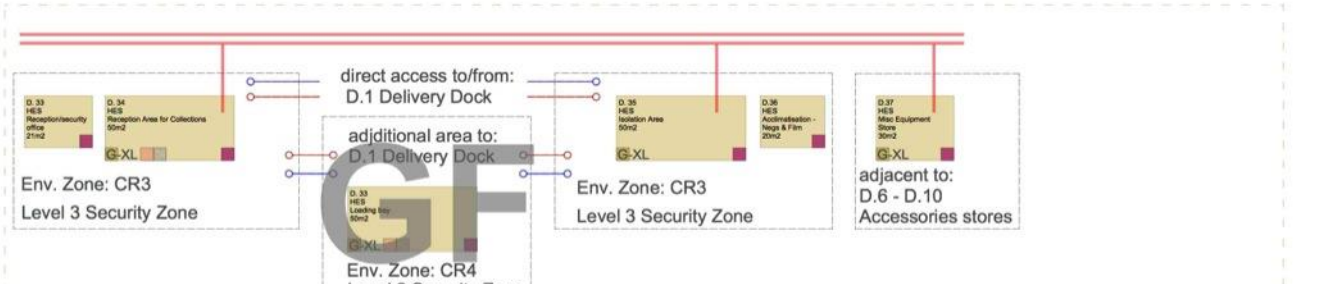

PUBLIC
conservation offices
curatorial offices
registrars offices
public print room
tech exam
conservation /care
public viewing large
3D
photo
install
workshops
machine shop
education
repository
materials
cargo
accessories stores
dock
drivers welfare
HGV
collection item movement
staff movement
non collection movement
public movement

# DELIVERY (2,241m2)

All spaces are assumed to be daylit unless otherwise stated



MADELVIC FACTORY
UNITED WIRE
NGS
NMS
EDINBURGH COLLEGE
WATERFRONT AVENUE

The site has the potential to accommodate all the required functions

## CIVIC PLAZA

connections between main public entrance, waterfront avenue, tram stop, plaza opposite

## LIBRARY & SEARCH ROOMS

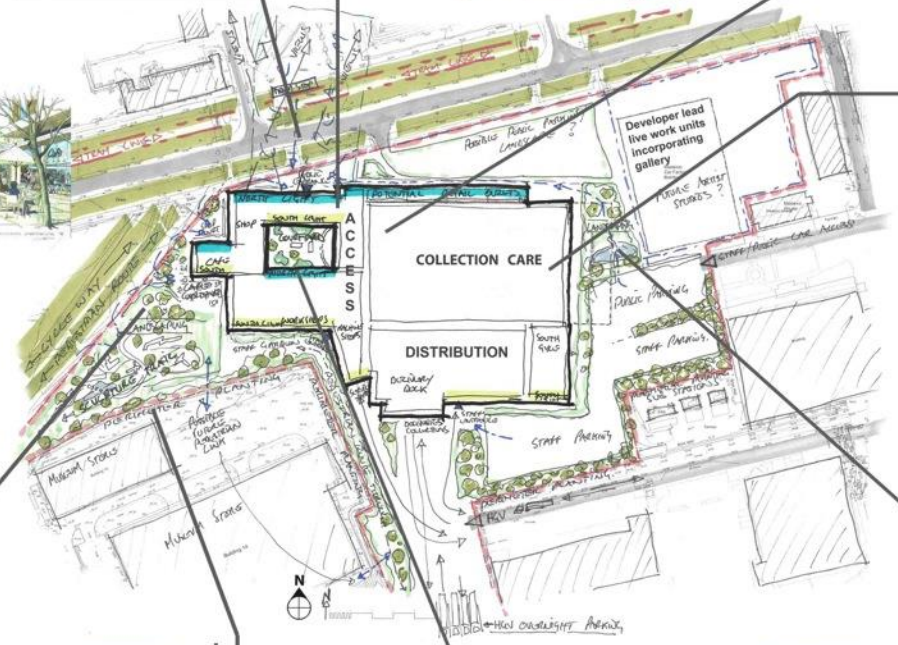
public access to collection items, research, documentation, archive access

## EXHIBITION SPACES

purpose designed spaces for exhibiting the differing collections & travelling exhibitions

external courtyard & garden seating, street cafe shaded cover, social seating singular tables connection with pedestrian & cycle route; south facing & west facing, adjacent to sculpture trail and landscaped gardens

## CAFE COURTYARD




## COLLECTIONS REPOSITORY

purpose built repository building, thermally separate, secure facility designed to maintain environmental conditions and withstand 4 fire damage; a centralised access point to the national collection

## LANDSCAPE

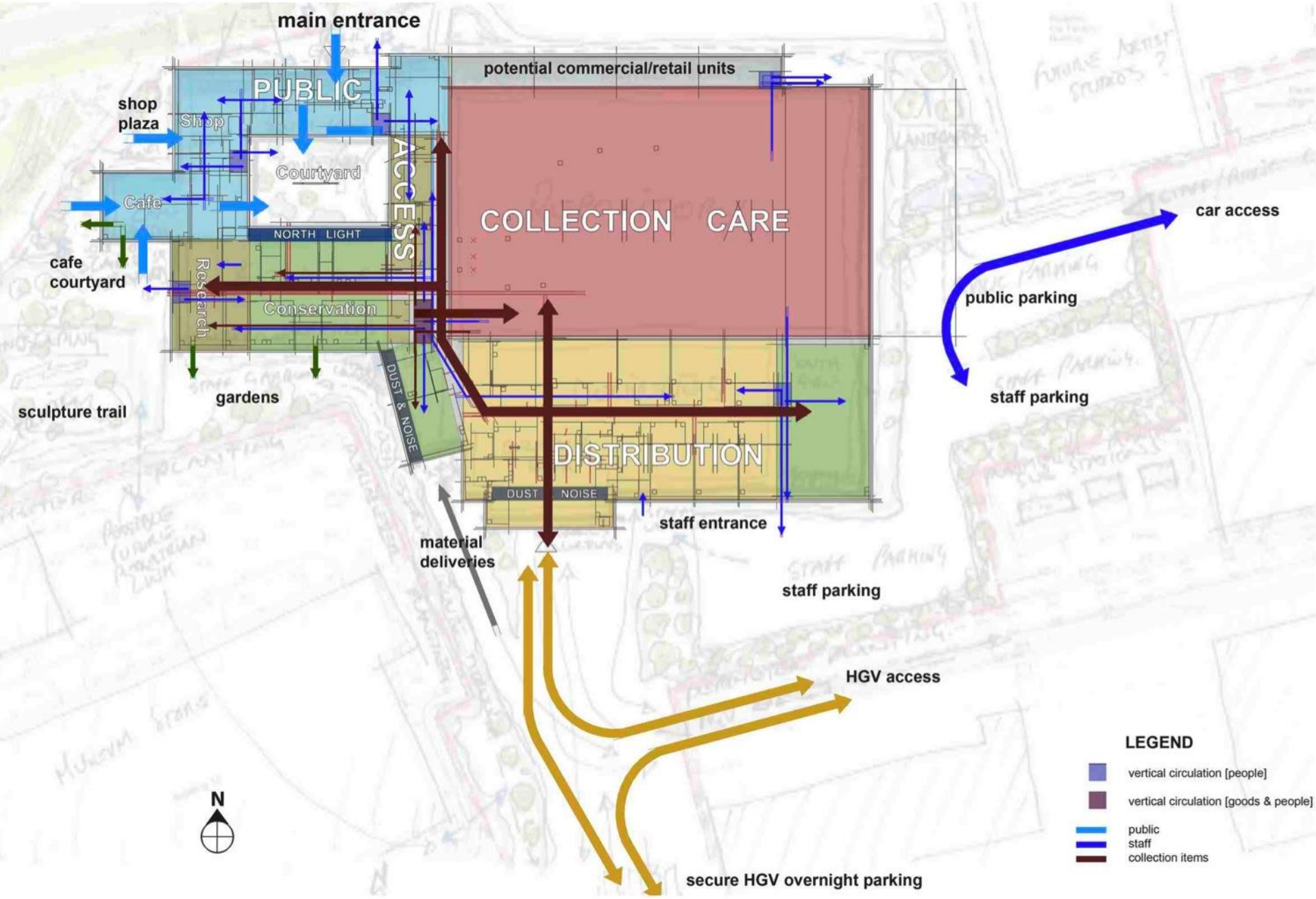
an opportunity to enliven the surrounding landscape with a variety of soft planting, sheltered spaces, ponds & pools, rills and sustainable urban drainage features

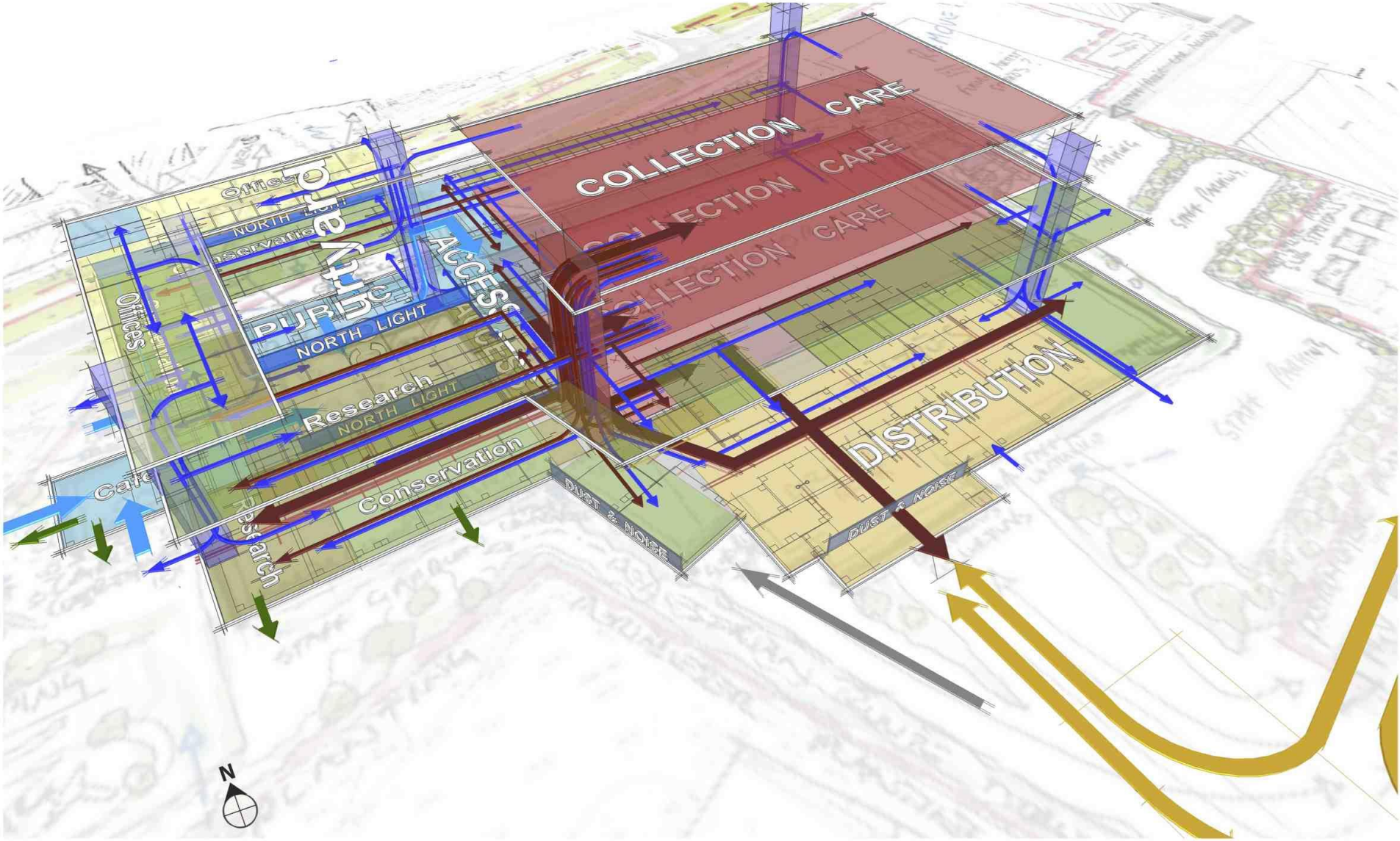
## SCULPTURE TRAIL

opportunity for both static & travelling sculpture exhibits within landscaped gardens with accessible & pedestrian circuitous route

## ACTIVE COURTYARD

exhibition space, social gathering & lively meeting place, outdoor theatre, zen garden, cloister, or beautiful landscape


main entrance
PUBLIC
shop
plaza
Shop
Courtyard
Cafe
cafe
courtyard
ACCESS
potential commercial/retail units
COLLECTION CARE
NORTH LIGHT
Research
Conservation
gardens
sculpture trail
DUST & NOISE
DISTRIBUTION
DUST NOISE
material
deliveries
staff entrance
car access
public parking
staff parking
staff parking
HGV access
secure HGV overnight parking
N
LEGEND
vertical circulation [people]
vertical circulation [goods & people]
public
staff
collection items


COLLECTION CARE
COLLECTION CARE
COLLECTION CARE
Offices
NORTH LIGHT
Conservation
PUBLIC
ACCESS
NORTH LIGHT
Offices
Research
NORTH LIGHT
Cafe
Conservation
Research
DUST & NOISE
DUST & NOISE
DISTRIBUTION
N