



Technology for Homeowner Driven Reconstruction in Dominica

Louise Foulkes – Build Change



Technology for Homeowner Driven Reconstruction in Dominica

Build Change

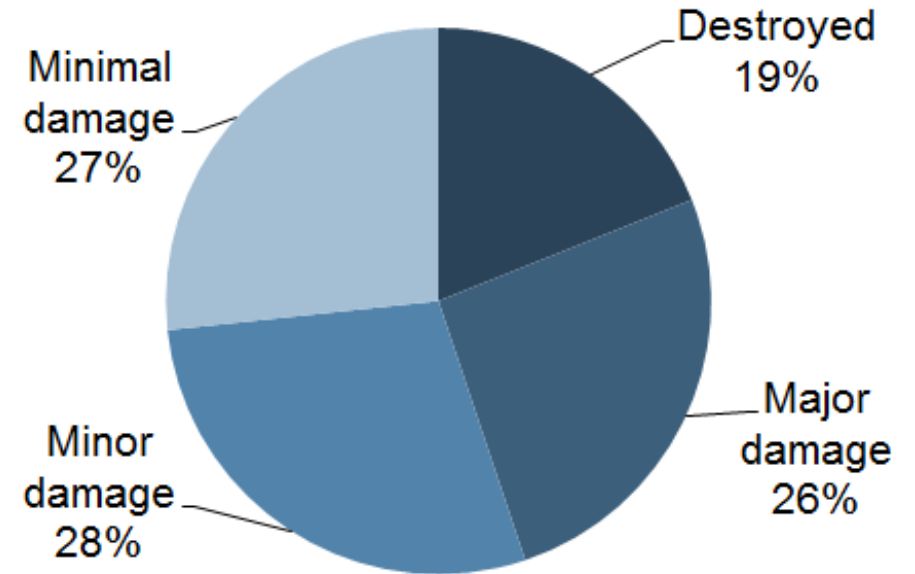
Louise Foulkes



Hurricane Maria

- Category 5 hurricane, 18 September 2017
- Total damages estimated US\$ 930.9 or 224% Dominica's GDP
- Large portion of damages sustained were in the housing sector (38%)
- 90% of houses were damaged
- Two thirds of homes assessed by IFRC had damage affecting >30% of the structure
- Damage assessments indicated smaller homes had more damage

Residential buildings



Source: Building Damage Assessment by
Ministry of Housing with support of
UNDP and Microsoft

Housing Recovery Project



If you are able to tick all of the following, you are likely to be eligible and should apply:

MYSELF

- ☐ I am a home owner in Dominica
- ☐ I am a citizen or permanent resident of Dominica and I have proof of this.

MY HOUSE

- ☐ My house was completely destroyed by Hurricane Maria.
- ☐ My house size is approximately 500 sq. ft.
- ☐ My house is the main home that I live in.
- ☐ I have proof of ownership or documented permission to use the property or I can obtain such.
- ☐ My house is not in a landslide or flood risk area. If my home is in such an area, I can relocate the house to a safe area on the same property.
- ☐ My house is not located in a protected area or within 200 meters of a protected area.

MY SUPPORT

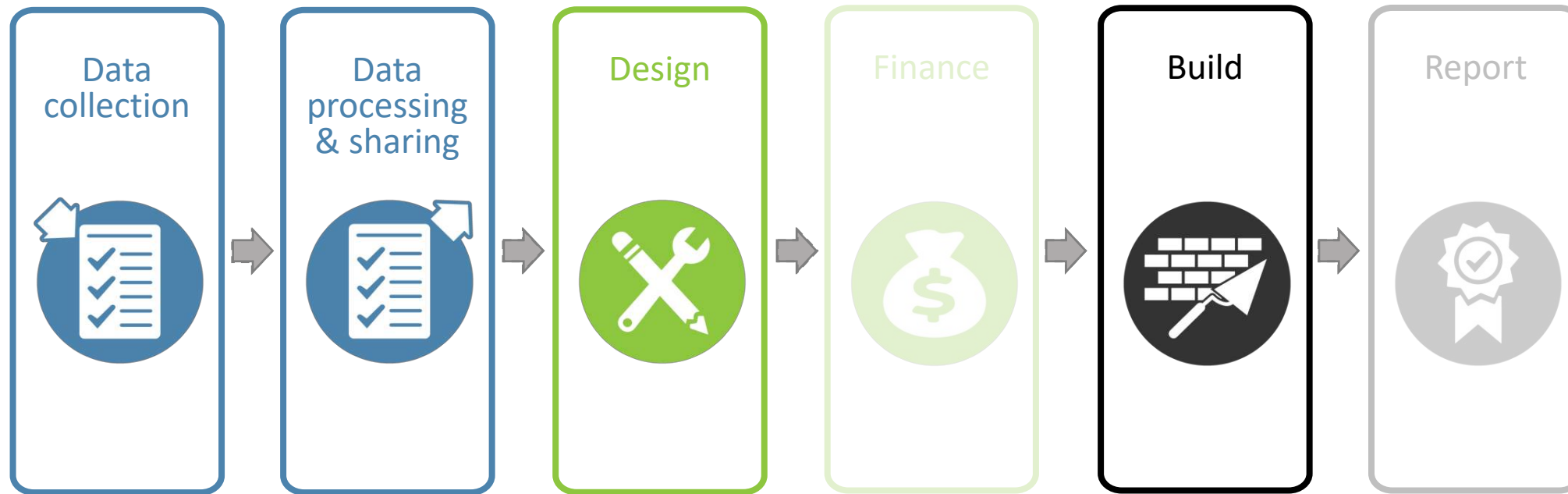
- ☐ I have not received direct reconstruction/structural restoration of my home through Government or another donor housing program. Note: if you have, applications will still be considered.
- ☐ I did not have insurance coverage for my house prior to Hurricane Maria.

Special consideration will be given to the most vulnerable groups, such as

- ☐ Single headed household
- ☐ Elderly head of household
- ☐ Disabled head of household
- ☐ Persons still living in a shelter or still living with others,
- ☐ Persons unemployed due to Hurricane Maria,
- ☐ Recipients of Public Assistance or Education Trust Fund or Over 70 Allowance
- ☐ Persons for whom part of the house was used as a source of livelihood/income.

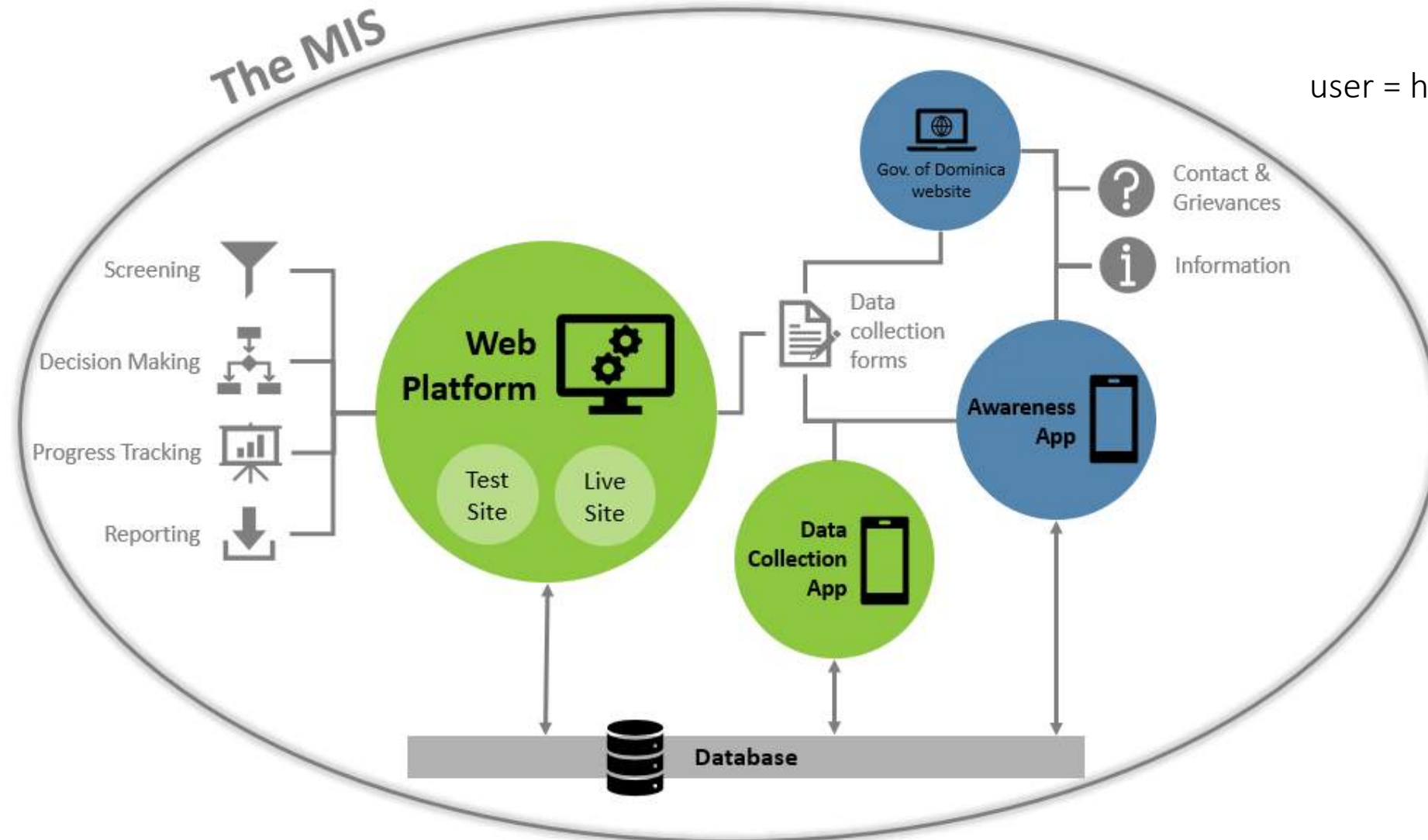


Six Step Construction Value Chain





Management Information System



user = project staff

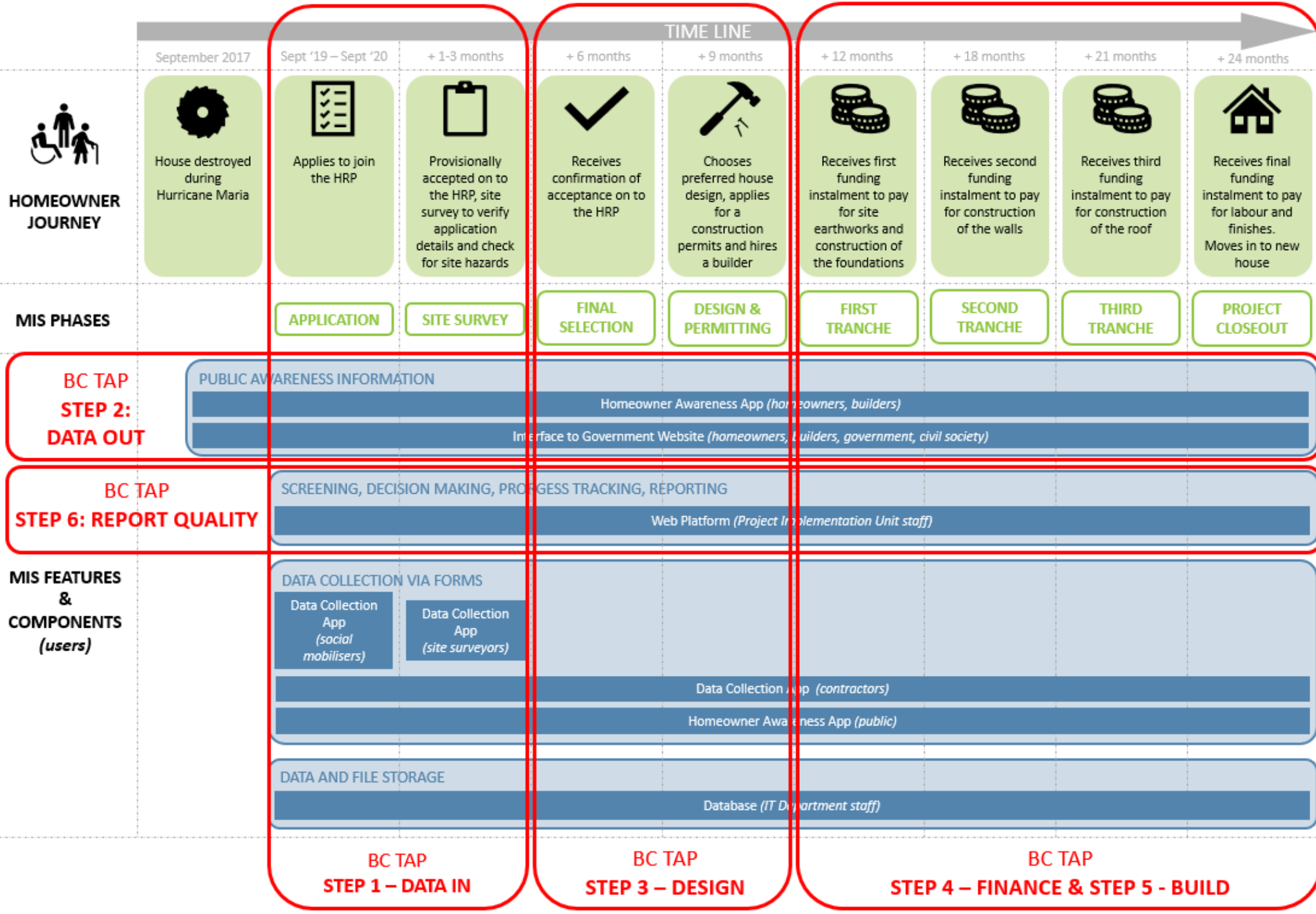


user = homeowners, public



user = IT





Beneficiary Selection Screening

app.dominicahrp.net

DHRP

Admin User
Online

Menu toggle button

Dashboard

Applications Received
2601

Site Surveys Received
778

User account settings

Admin User
admin@admin.com

Reset Password Sign out

System menu

Application Submissions

Week	Submissions
Week 2	218
Week 3	506
Week 4	643
Week 5	684
Week 6	137
Week 7	93
Week 8	116
Week 9	48
Week 10	11

Site Survey Submissions

Week	Submissions
Week 2	0
Week 3	85
Week 4	133
Week 5	102
Week 6	151
Week 7	60
Week 8	104
Week 9	113
Week 10	30

Grievances Received
5

Project menu

Form Builder

Role

User

Form

Project

Stage

Phase

Map

Setting

Application

Site Survey

Contractor Application

Grievance



**Dominica Housing
Recovery Project MIS**

SIGN IN

Email

PASSWORD

☐ Stay Signed in [Forgot Password ?](#)

SIGN IN



Site Surveys

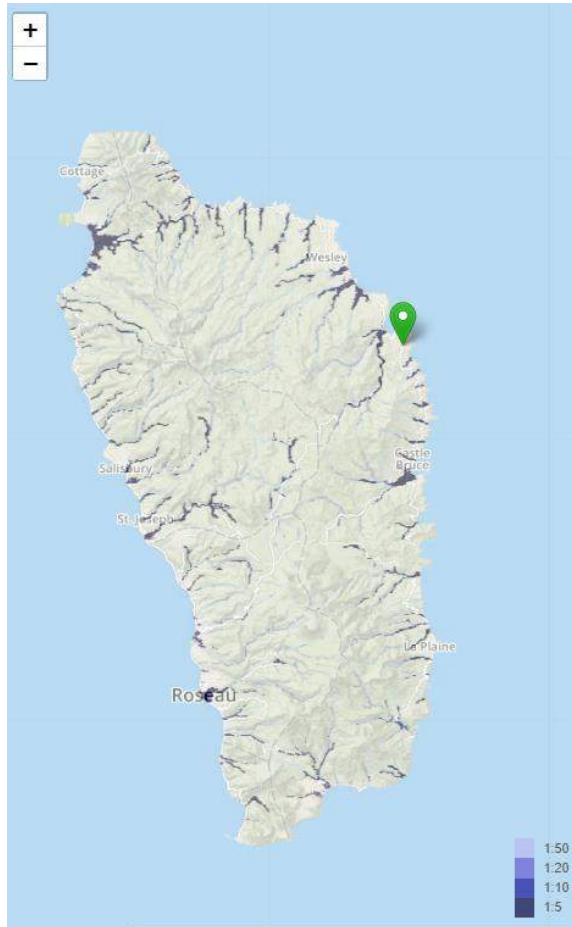


- Confirm applicant applicability
- Review site hazards
- Review condition of existing structure

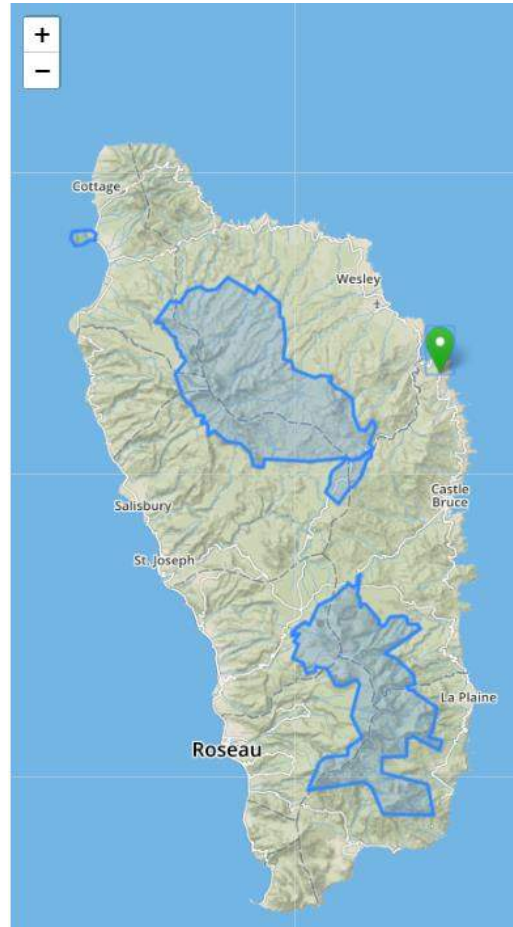




Automatic Hazard and Land Use Screening



Fluvial Flooding



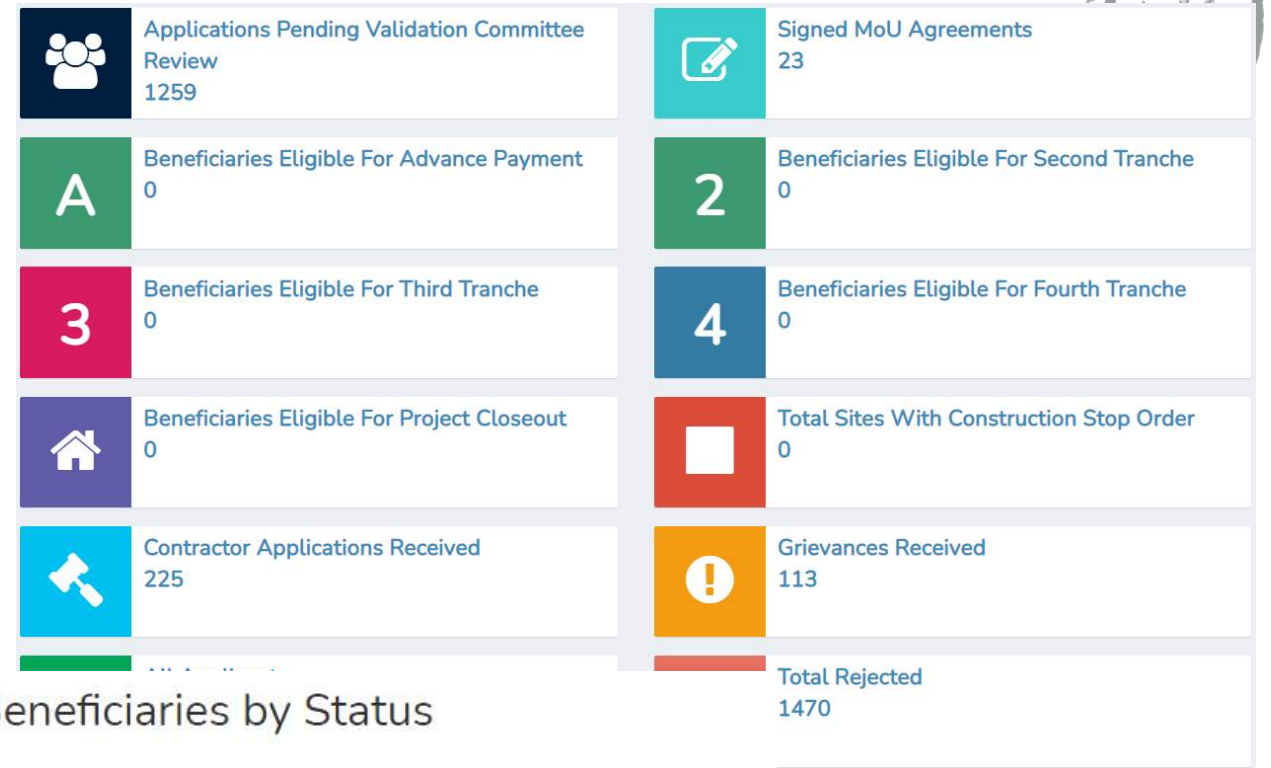
Protected Land



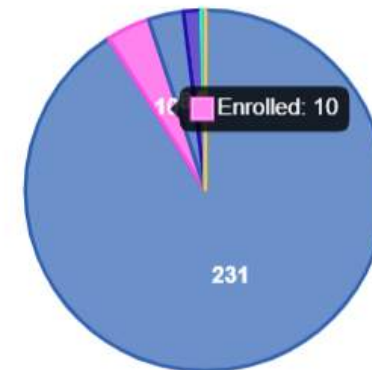
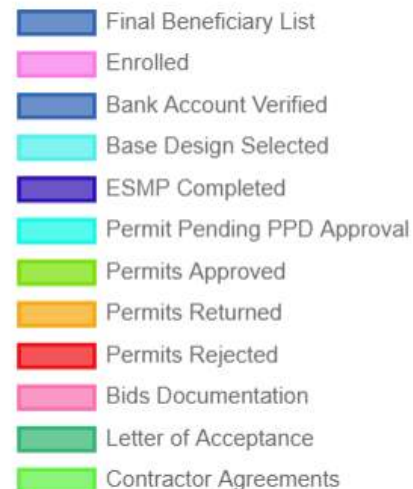
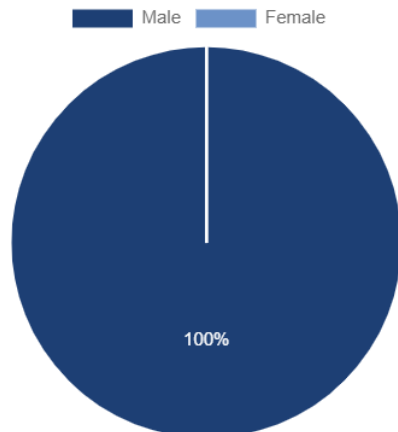
Landslide Susceptibility

Tracking & Reporting

- Beneficiary status
- Environmental, social, health and safety monitoring and reporting
- Grievance management
- Contractor management
- Tranche disbursement



Total Processed Beneficiaries by Status





THANK YOU

www.buildchange.org



#UKSF27