

Workflows for mapping REDD+ interventions

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Workflows for mapping REDD+ interventions

Defining workflows help us think about how we are going to undertake a piece of analysis: the **spatial logic, GIS processes, and sequence**

Now, we are defining workflows to help identify **potential locations** for a particular REDD+ intervention, combining factors, so that we:

- **Include** areas suitable for the intervention
- **Exclude** areas where it could not be undertaken.




Activity: Create a workflow for your REDD+ intervention

In your groups for your intervention define the spatial workflow to address your driver/barrier.

Driver/Barrier

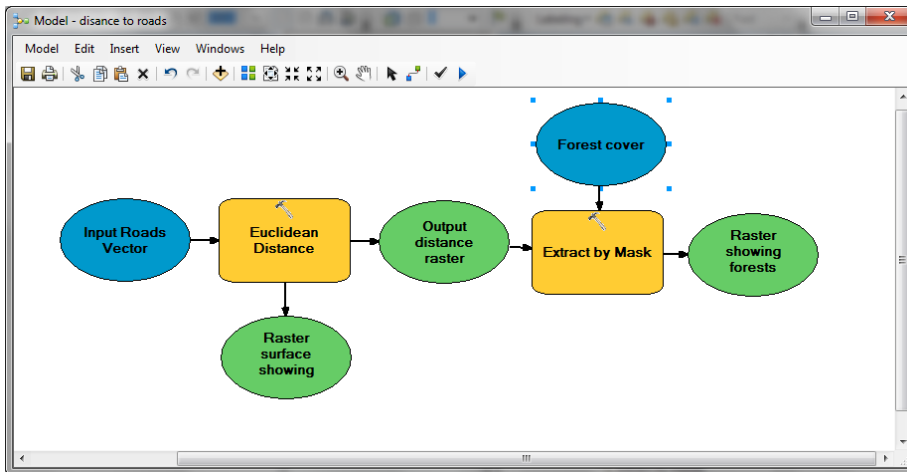
- Is anything further needed other than the participatory mapping layer? e.g. If the PM shows **current** areas at risk, are any other geoprocessing tasks needed to identify potential areas at **future** risk from that driver?

Intervention:-

- Where can't the REDD+ intervention be undertaken?
i.e. exclude areas where that REDD+ intervention would not be possible. List the reasons why you are excluding certain areas
 - Where can the REDD+ intervention be undertaken?
i.e. which areas should be included. List the reasons why you are highlighting certain areas
 - What data you will use to make those exclusions/inclusions?
 - What geoprocessing tools might you use in ArcGIS?
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Transferring spatial workflows in ArcGIS

- A simple model may only contain one or two steps and ArcGIS geoprocessing tools



E.g. generating a layer that shows forest classified according to distance from roads

Transferring an example workflow into ArcGIS

To develop a REDD+ intervention layer for **community-based sustainable forestry** to address the **driver small-scale conversion to cassava**, we may consider:

- Where are the areas at risk from small-scale cassava expansion (now or in future)?
- Where can community-based sustainable forestry occur?
- Which forest area designations should be included?
 - Natural forest and planted forest?
 - Existing community forestry areas or broader?

The GIS analysis would then exclude areas not at risk from the driver and areas where it is not possible to undertake that particular action.



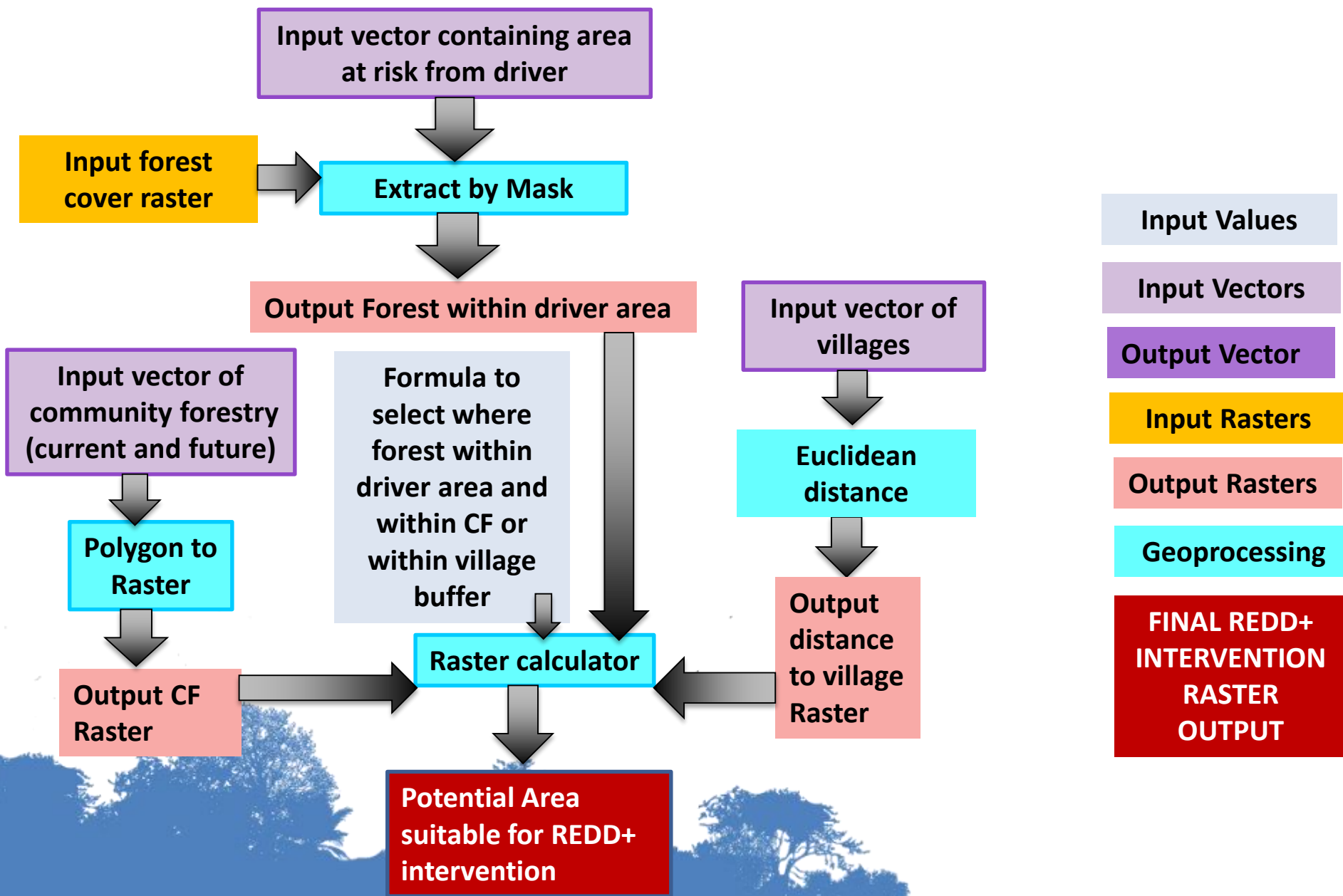
INTERVENTION: community forestry to reduce conversion to cassava

Input layer/data	How to use
Forest cover	Forest area available for action
Village locations	Areas near villages with likely demand for cassava production and/or CF activities
Potential community forests	Category of forest; areas that have already been identified as likely CF sites
Future land use plan	Identify areas designated for crops or forest
Protected Areas	Exclude strictly protected areas
Extent of driver	Area affected by / likely to be affected by driver (conversion to cassava)



Workflow for intervention

SIMPLISTIC HYPOTHETICAL EXAMPLE FOR TECHNICAL DEMONSTRATION OF ARCGIS MODEL BUILDER ONLY



DEMONSTRATION

Putting workflow into ArcGIS

