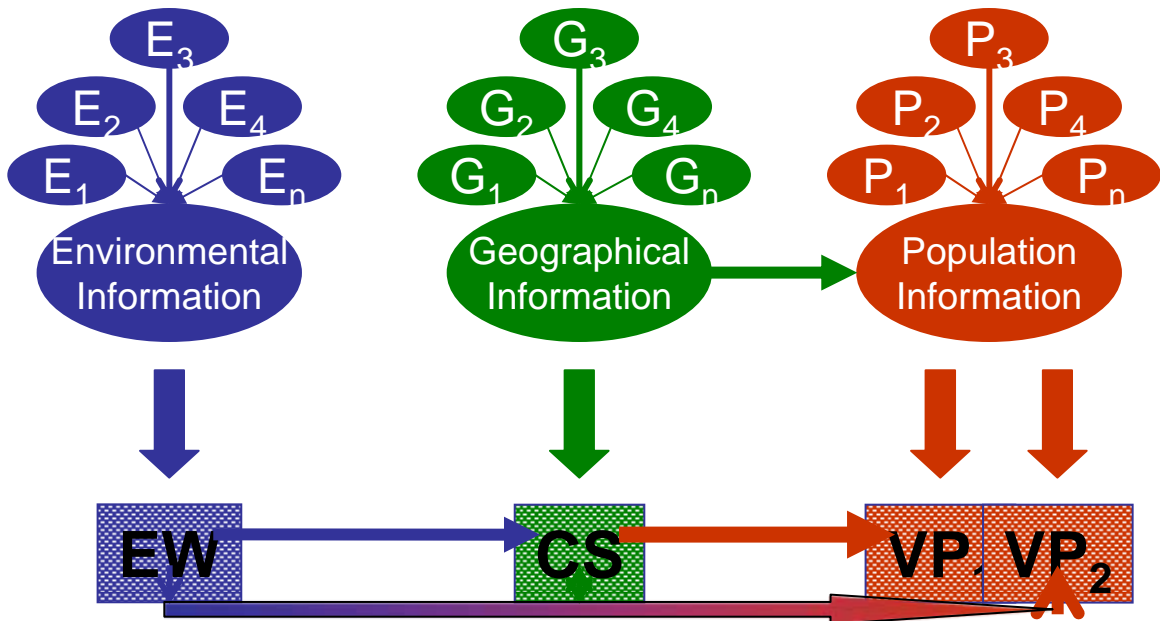


# Sample application: Heat waves



The problem of human health impacts from excess heat serves as a pilot problem for Openclimate.org. The problem combines environmental information (e.g. temperature) from observations or models, with geographical information that relates the influence the surface (the cityscape (CS) - is it black asphalt?) will have on the environment, with population information (where are vulnerable people (VP) living?)

Following information through the system reveals the following tasks:

- Access to model simulations of climate change
- Development of an free and available method to calculate and environmental warning (EW)
- Interface of environmental information with the tools and conventions of the heat wave community (e.g. GIS formats for climate data)
- Communication of benefits and failures of applications from different regions and different cities.
- Linking of environmental warning algorithm to models as a diagnostic package