

## ENVIRONMENTAL MONITORING IN PARKS

### Innovation :

In this phase you need to put your design into innovation to solve the problem.

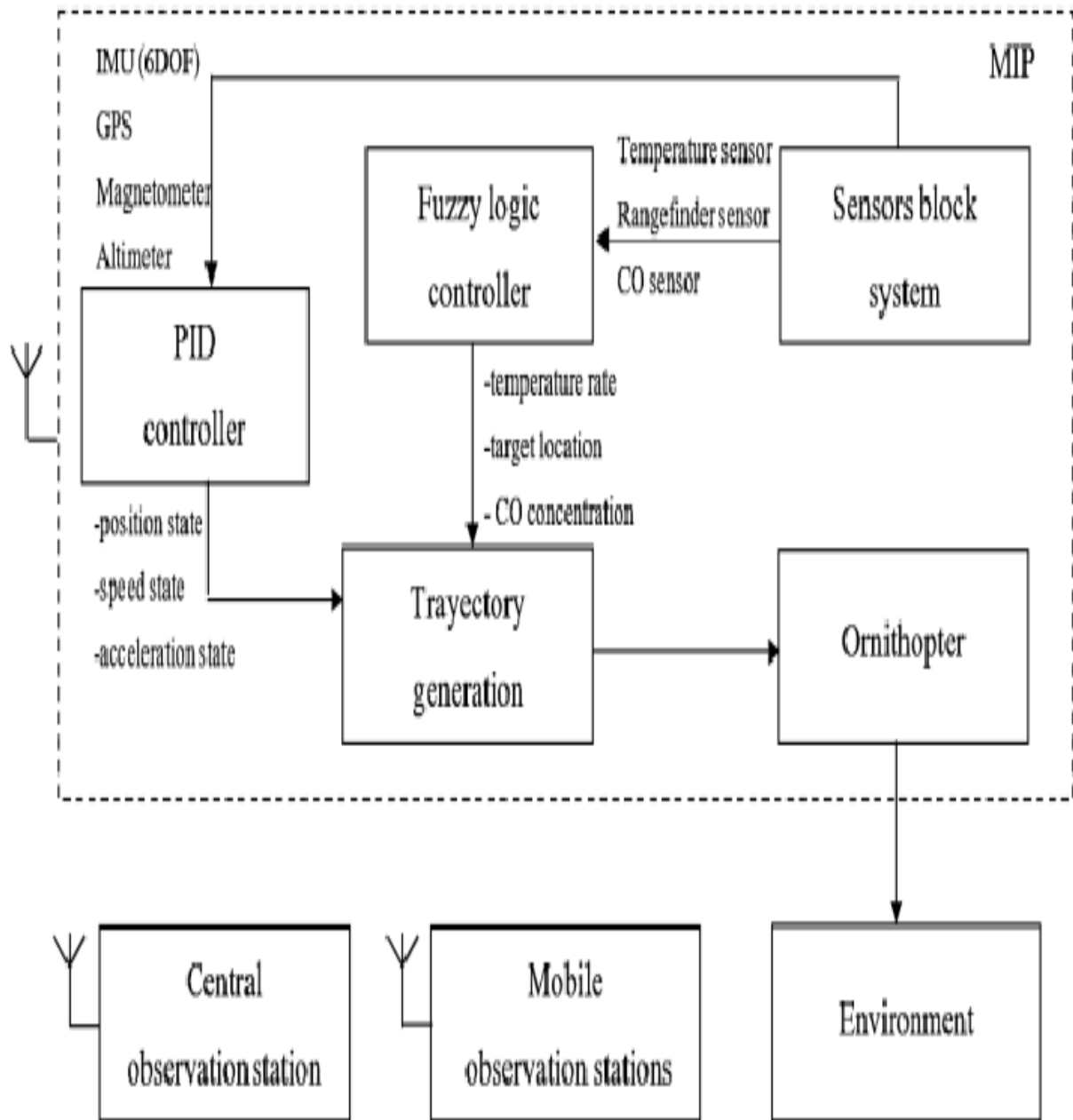
Explain in detail the complete steps that will be taken by you to put your design that you thought of in previous phase into transformation

Create a document around it and share the same for assessment.

Although monitoring appears to represent a massive investment in 'knowing in order to conserve', its managerial utility seems to be limited.

We then assess the social roles of monitoring and explore the conditions under which it has effects. We first focus on the cognitive role of expertise.

## Block diagram :



## Working :

Monitoring is directly linked to the provision of human, financial and logistical resources. Indeed, its implementation automatically implies raising funds, recruiting people and equipping parks logistically.

Such resources, whatever the capacity of monitoring programmes to orient management, are vectors of practical materialisation of the parks. This materialisation obviously has an impact on biodiversity conservation.

For instance, monitoring activities automatically involve the circulation and presence of parks' agents within and around the borders of parks and thus limit poaching and other illegal activities.

In Africa, it is well known that, around research stations where field assistants collect data on a daily basis, poaching often happens less, hence making wildlife richer (Tranquilli et al., 2012).

. For instance, several interviewees claimed that the implementation of the SMART programme has been fruitful to ensure that during their missions, rangers were actively looking for signs of illegal activities rather than "sitting all day long in the forest".

This use of monitoring as a tool for evaluation and control can also be observed at broader levels of parks' organisation. In Tai, the heads of the seven 'districts' of the park provide a report every month to justify their activities.

These reports are partly based on geolocalised observations (GPS coordinates) of illegal activities or patrimonial species, collected by field teams.

Irrespective of its usefulness to guide management decisions, monitoring is a strategic resource towards more efficient presence in the park and can ultimately increase conservation outputs.

It is remarkable, however, that here the purpose is to assess the efficiency of a programme which itself aims to assess the efficiency of the park. In this 'monitoring monitoring' approach, data and analysis conducted are logical outputs to be reported.

## Conclusion :

Despite the importance of protected areas' adaptive management, monitoring programmes are in general poorly evaluated from a social science perspective. Considering instruments, knowledge and techniques means "looking beyond the effects assumed by their leaders" (Cabane and Tantchou, 2016). It comes to understanding how quantification changes the way nature is governed, how it helps to administrate people, parks and wildlife, and how it distributes power and legitimacy. In this study we showed that, although its aptitude to guide management remains uncertain, monitoring is first of all a way to make parks exist following two dimensions



