**1.0 INTRO GENERALE ENG**

\*Première slide CLIC

\*Hello and welcome to this MOOC on ecological monitoring. CLIC

\*This MOOC is about a fundamental tool for protected areas management. It will help us understand what ecological monitoring is, what its benefits and limitations are, and how to implement it, how to use the results to improve our impacts on conservation and so on. CLIC

\*In the first unit, we will introduce the concept of ecological monitoring. This will help us better understand the conditions of such monitoring. Why do we do it? What is it for? How are the values, attributes and indicators defined? What method should be used? At what cost? What kind of sample should we target? CLIC

\*The second unit will look into the useful statistical methods to carry out ecological monitoring. We will talk about the general statistical concepts, but also about the uses applied to monitoring. CLIC

\*The third unit will introduce different monitoring techniques used on the field. How to monitor the ecosystem, or the vegetation, mammals, birds… directly or indirectly? We will also present some specific methods that can be applied to carnivores, primates, migratory species etc. CLIC

\*Finally, in the fourth unit, we will give practical examples to illustrate the concept - ecological monitoring applied to PA networks, marine and terrestrial sites, forests, the savannah, wetlands, targeted species… in other words, a representative sample of real life possibilities. CLIC

\*There, now it’s your turn. Don’t forget about the quizzes, and of course the exams after each unit. They will certainly help you making good progress. Have a great MOOC!

**\*1.1 INTRO MODULE 1 ENG**

\*Hello and welcome to the first unit of our MOOC on ecological monitoring. CLIC

\*This unit introduces the concept of ecological monitoring. It will help us better understand how this monitoring is operated, but no panic, we will go into further details in the next units. CLIC

\*Let’s follow the lion to identify the questions we need to ask ourselves: CLIC

\*Why proceed to ecological monitoring? We will see why it is important, what its connections with planning are, we will see how it contributes to the effectiveness of our actions and so on. CLIC

\*What is ecological monitoring? And definitely what is it not? How to differentiate it from inventories and research for instance? CLIC

\*What is it for? How does it feed the decision-making process? How does it give accounts on the state of the PA values, on the pressures and the threats, on the impact of our work? CLIC

\*How to define its objectives? More specifically, we need to look at what values to monitor, what ecological attributes characterise them, what indicators are more important etc. CLIC

\*How to choose the monitoring method? Depending on the ecological attributes we target but also the context in which we work… CLIC

\*What is sampling? And how to organise our work for a better effort/result ratio? CLIC

\*At what cost? Because this will determine our choices in method, equipment, staffing etc. CLIC

\*What type of analysis should be chosen? This will prepare us for the second unit where we will go into more detail regarding the statistics applied to ecological monitoring. CLIC

\*Finally, the unit will end with a short summary of everything we’ve seen thus far. CLIC

\*There, don’t forget about the quizzes between the sequences, they can help you make better progresses. Have an excellent first unit!

**3.1 INTRO module 3**

\*Slide titre CLIC

\*Hello and welcome to this third unit of our MOOC on ecological monitoring. CLIC

\*In this unit, we will introduce different ecological monitoring techniques. This will help us better grasp what ecological monitoring practically looks like on the field. Inza Kone, searcher-professor at the Félix Houphouet Boigny University of Côte d’Ivoire and Emmanuel Héma, searcher-professor at the Joseph Ki Zerbo University in Burkina Faso will be helping us out. CLIC

\*Let’s follow the impalas to see what the techniques mentioned in this unit will be: CLIC

\*First, we will examine what key ecological attributes should be monitored, and how to identify them. CLIC

\*Then, we will talk about the choice of method and sampling most adapted to the attributes. CLIC

\*After this, we will look at ways of following the ecosystem’s abiotic components, the ones supporting life. CLIC

\*We will also specifically focus on monitoring plants. CLIC

\*The big mammals will then be our point of interest, either by direct counting, CLIC

\*…or by indirect counting. Both are obviously very different techniques. CLIC

\*Next up, we will talk about the specific case of large carnivore monitoring, with some lions for example. CLIC

\*Then, our friend Inza will share about his speciality: the very specific monitoring of primates. CLIC

\*As we zoom out a little bit, we will talk about aerial counting which can be useful in certain circumstances. CLIC

\*And we will finish the unit with Emmanuel, by looking at animals that move around a lot, and the specific tools needed to monitor them. CLIC

\*There you go. Remember the quizzes between the sequences that will help you better understand all these techniques. Have an excellent third unit!

**4.1 INTRO MODULE 4**

\*Slide de titre CLIC

\*Bonjour et bienvenue dans le quatrième et dernier module de notre MOOC sur le suivi écologique. CLIC

\*Ce module porte sur la présentation de différents exemples de suivis écologiques, venus du terrain. Là encore, nous serons épaulés par Inza Kone, enseignant chercheur à l’Université Félix Houphouet Boigny de Côte d’Ivoire et Emmanuel Héma, enseignant chercheur au Centre Universitaire Polytechnique de Dédougou, de l’Université Joseph Ki Zerbo du Burkina Faso. CLIC

\*Suivons quelques éléphants pour voir quels seront les exemples présentés dans ce module : CLIC

\*Tout d’abord nous nous intéresserons à considérer les différentes échelles auxquelles on peut faire le suivi écologique… du global au local... CLIC

\*Et nous descendrons à l’échelle d’un groupe d’aires protégées qui collaborent pour réaliser leur suivi, au Kenya, avec Béatrice. CLIC

\*Avant de nous focaliser avec Emmanuel sur une aire terrestre au Burkina Faso, le parc de Nazinga. CLIC

\*Nous n’oublierons pas le domaine marin et l’atoll d’Aldabra, aux Seychelles, nous servira d’exemple, passionnant croyez-moi. CLIC

\*A l’échelle d’un parc, nous distinguerons le suivi en forêt, dans le parc de Taï en Côte d’ivoire, … CLIC

\*… puis nous regarderons avec Inza ce qui se fait en savane. Là nous rejoindrons la Comoé. CLIC

\*Nous plongerons alors dans les zones humides et nous tenterons de suivre les oiseaux qui les peuplent CLIC

\*Avant de nous focaliser sur une espèce, et ce sera l’éléphant qui nous servira d’exemple. CLIC

\*Enfin, dans un dernier effort, nous essaierons de brièvement rappeler les 20 règles d’or du suivi, qu’il nous semble utile de connaître et pourront peut-être vous être vous aider dans votre travail. CLIC

\*Voilà, c’est à vous de jouer maintenant… n’oubliez pas les quiz entre les séquences, ils vous aideront à mieux exploiter tous ces exemples et les leçons à en tirer. Excellent quatrième module !

**4.11 TEXT Conclusion générale MOOC SE ENG**

\*Slide de titre

\*We have reached the end of this MOOC on ecological monitoring.

\*I hope that you have enjoyed participating in it as much as we have enjoyed preparing the course.

\*And of course, I do hope it helped you better understand how important ecological monitoring is for the health of protected areas and for the entire decision-making process.

\*I would like to thank a couple of people. First, all the speakers involved in this MOOC: Béatrice Chataigner, Emmanuel Héma, Inza Koné and Victor Panaretos.

\*Then, thanks to Marion Langrand who manages the MOOC daily, and Madeleine Coetzer who translated it into English and prepared the BOOC that come with it.

\*I also want to thank the staff from the EPFL, especially Thibault Viglino who edited all the videos, thank you to all those involved in the EPFL’s Center for Digital Education and of course, our friends from the MOOCs for Africa unit who allowed for this program to even exist.

\*Please, let us know what you thought, any suggestions to improve this MOOC are welcome, we need your input to keep moving forward.

\*And of course, you can follow us via our other MOOCs, but also on papaco.org and on Facebook.

\*Also, if you would like to stay in touch, don’t forget to sign up to the monthly NAPA newsletters.

\*Finally, I would like to thank the organisations that financed this MOOC: the Ecole Polytechnique Federale de Lausanne and the France-IUCN partnership, particularly the French Development Agency.

Here we are, I truly hope you will join us in our other MOOCs. Have a great day!