

Hassan AGUENAOU

19–20 September 2017 IAEA Scientific Forum

Nuclear Techniques in Human Health

Prevention, Diagnosis, Treatment

RDC-Nutrition
Ibn Tofaïl University - CNESTEN

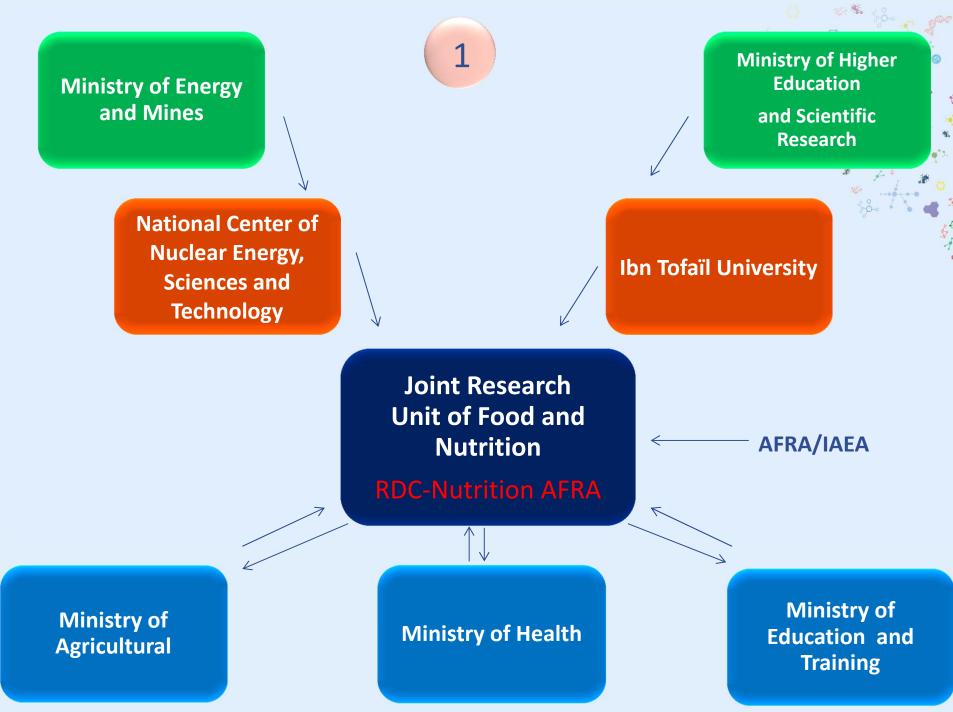


Unité Mixte de Recherche en

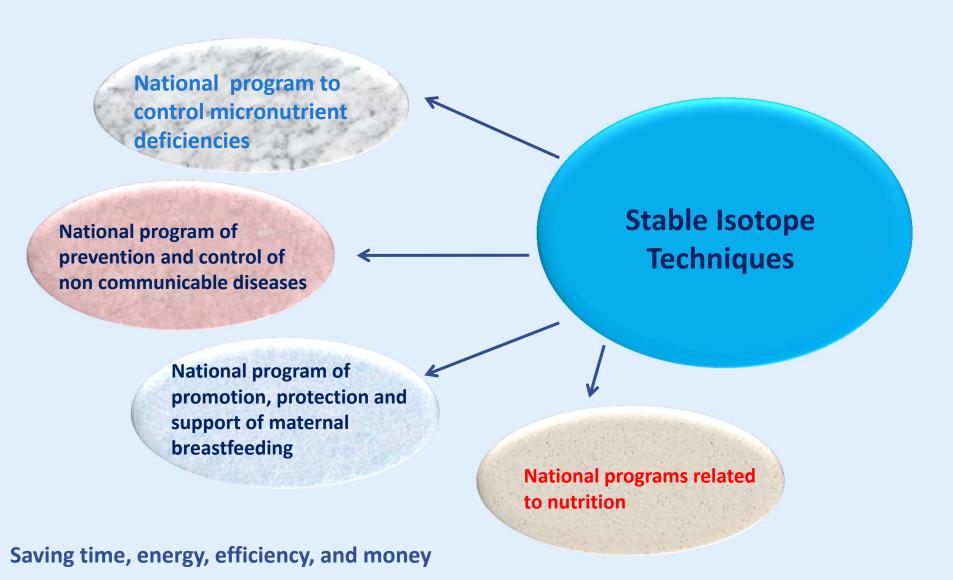
Nutrition et Alimentation URAC 39 associée au CNRST

Centre Régional Désigné de Nutrition AFRA/IAEA





Role of stable isotopes in National Nutrition Programs?



Impact: Example of Iron Bioavailability

National Program to Fight Micronutrient Deficiencies :

the Case of Iron-Fortified Flour

Four years later

Prevalence of anaemia:

Pregnant women 37%

Women of childbearing age 36%

Children under 5 years old 31%

Anaemia prevalence has not changed!! Thinking of changing iron fortificant!

Introduction of fortified wheat flour with elementary iron

Decision to change the premix in wheat flour



Study of the bioavailability of a different iron compound









IAEA supports choice of iron to fortify staple food to better tackle anaemia

Impact: Example of exclusive breastfeeding



PROMOTION,
PROTECTION AND SUPPORT FOR MATERNAL BREASTFEEDING



Exclusive Breastfeeding (6 Months)



27,8% by conventional methods12,7 % by stable isotopes

The results will be used for adjusting the breastfeeding promotion programmes

How did we become an AFRA RDC in Nutrition?

2012

Government

Ministries PM NLO AFRA-NR AFRA RDC-Nutrition



IAEA





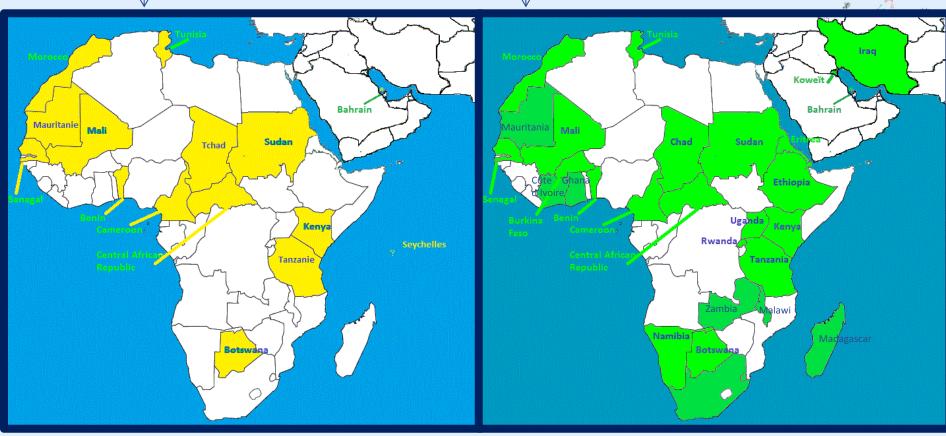




Transfer of know-how?

Expert services

Individual & Group Trainings









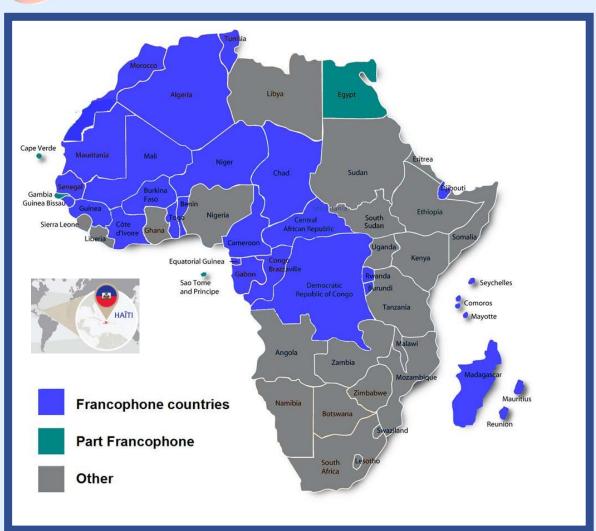








Win-Win partnership?





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Thank You Merci