

# 8<sup>th</sup> INTERNATIONAL FORUM ON FOOD AND NUTRITION

Milan, December 4-5 2017



**Barilla**  
Center  
FOR FOOD  
& NUTRITION

# ALEX THOMSON

*Anchor and Chief Correspondent Channel 4 News, UK*



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# BCFN YES! 2017

## Award Ceremony



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# ELLEN GUSTAFSON

*Author & Co-Director of the Summit Institute*



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# MATERNAL AND CHILD NUTRITION AMONG REFUGEES AND HOST COMMUNITIES IN GREATER BEIRUT, LEBANON: A FOCUS ON ANEMIA



**Joana Abou Rizk**

Lebanon

University of Hohenheim - Germany



**Theresa Jeremias**

Germany

University of Hohenheim - Germany



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**2017**



**Maternal and child  
nutrition  
among refugees and  
host communities  
in Beirut:  
A focus on anemia**





A large crowd of people, including men, women, and children, is walking down a street. The buildings on either side of the street are heavily damaged and appear to be ruins. The crowd is dense, filling the street and extending into the distance. The people are wearing various types of clothing, including coats, hats, and headscarves. The overall scene suggests a displacement or refugee situation.

# 65.6

MILLION  
FORCIBLY  
DISPLACED  
WORLDWIDE

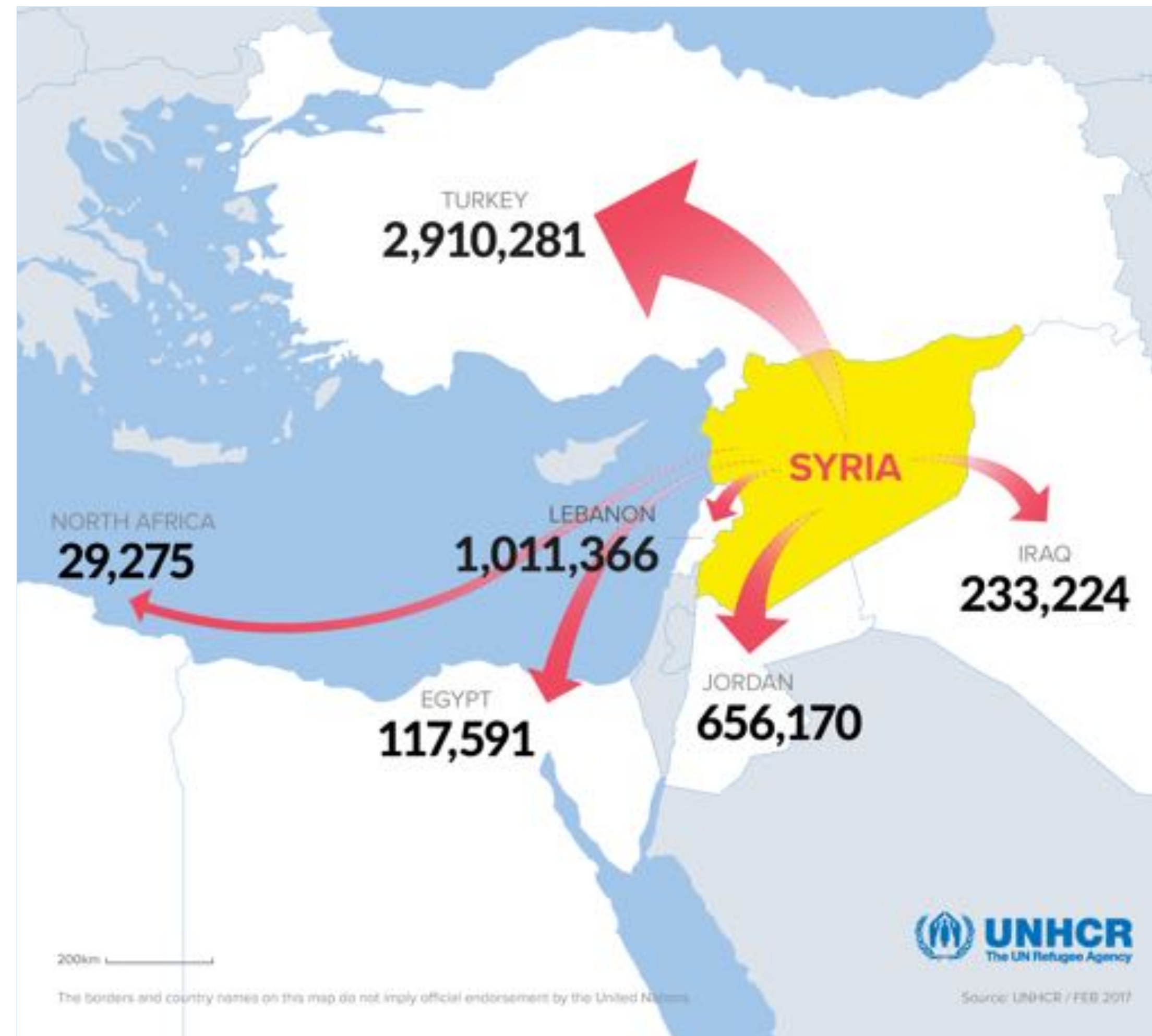
UNHCR, 2017

©UNRWA, via AP



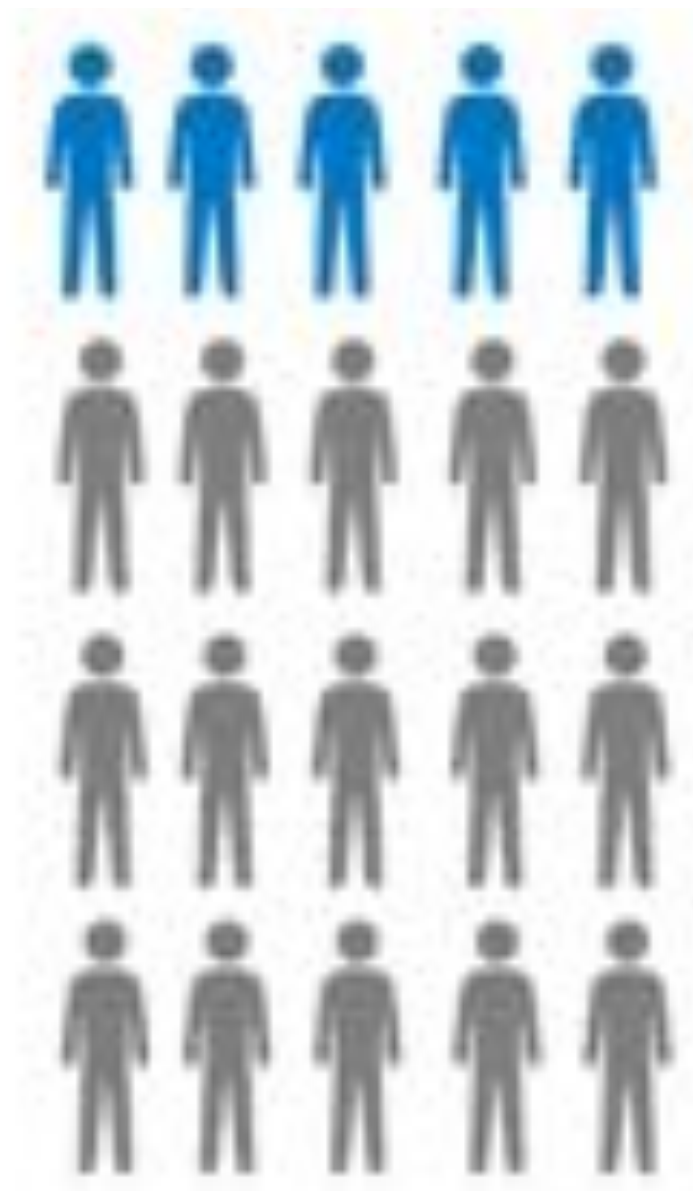
# 5.3

## MILLION SYRIAN REFUGEES WORLDWIDE





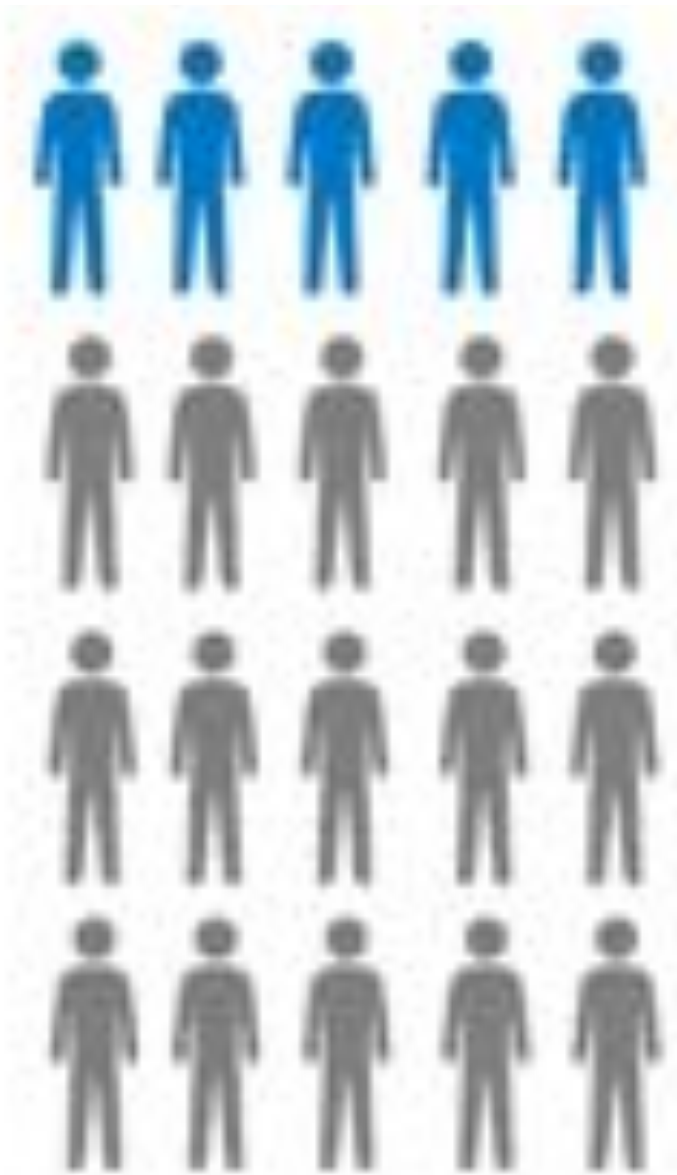
In Lebanon  
**1 in 4**  
is a Syrian  
refugee



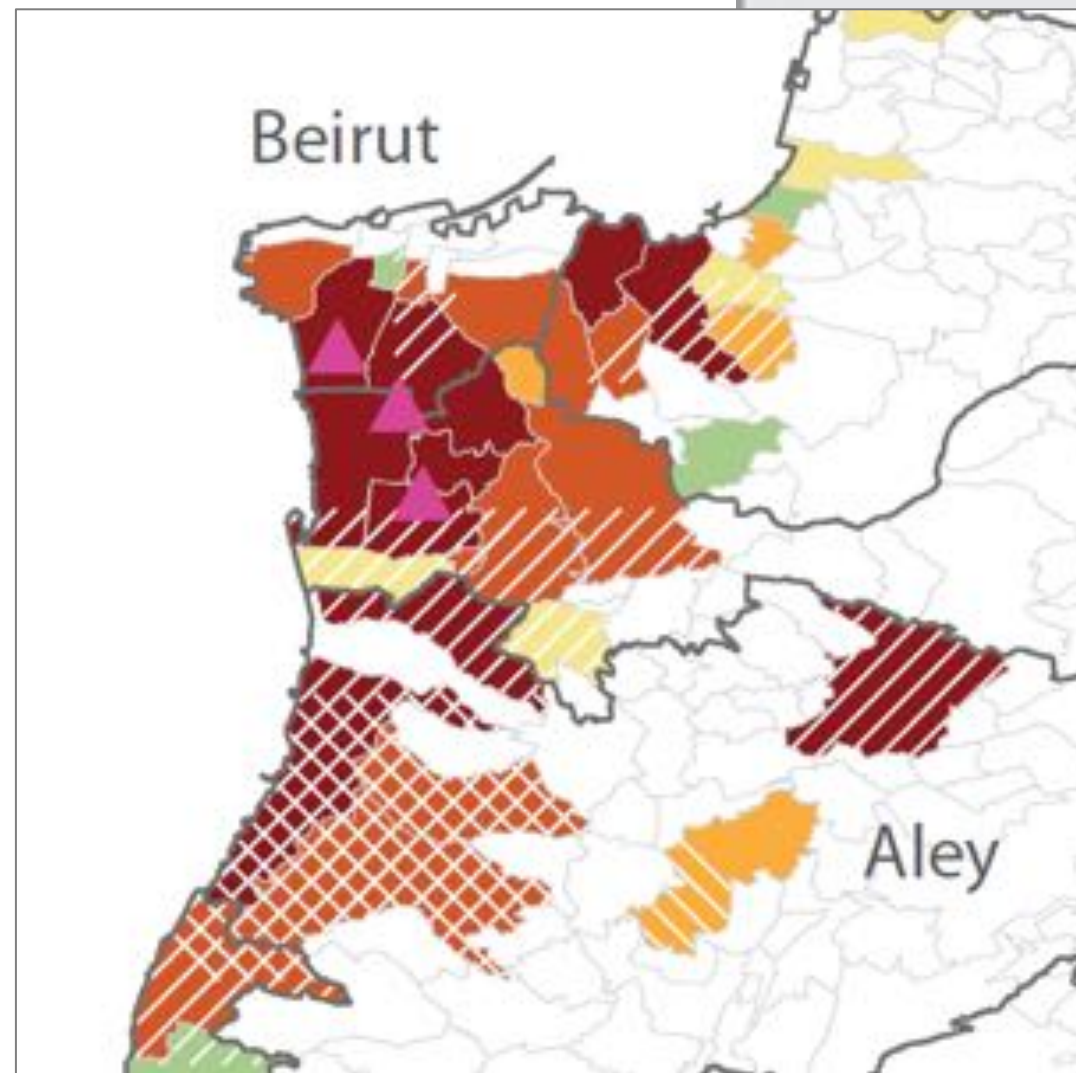
UNHCR, 2015



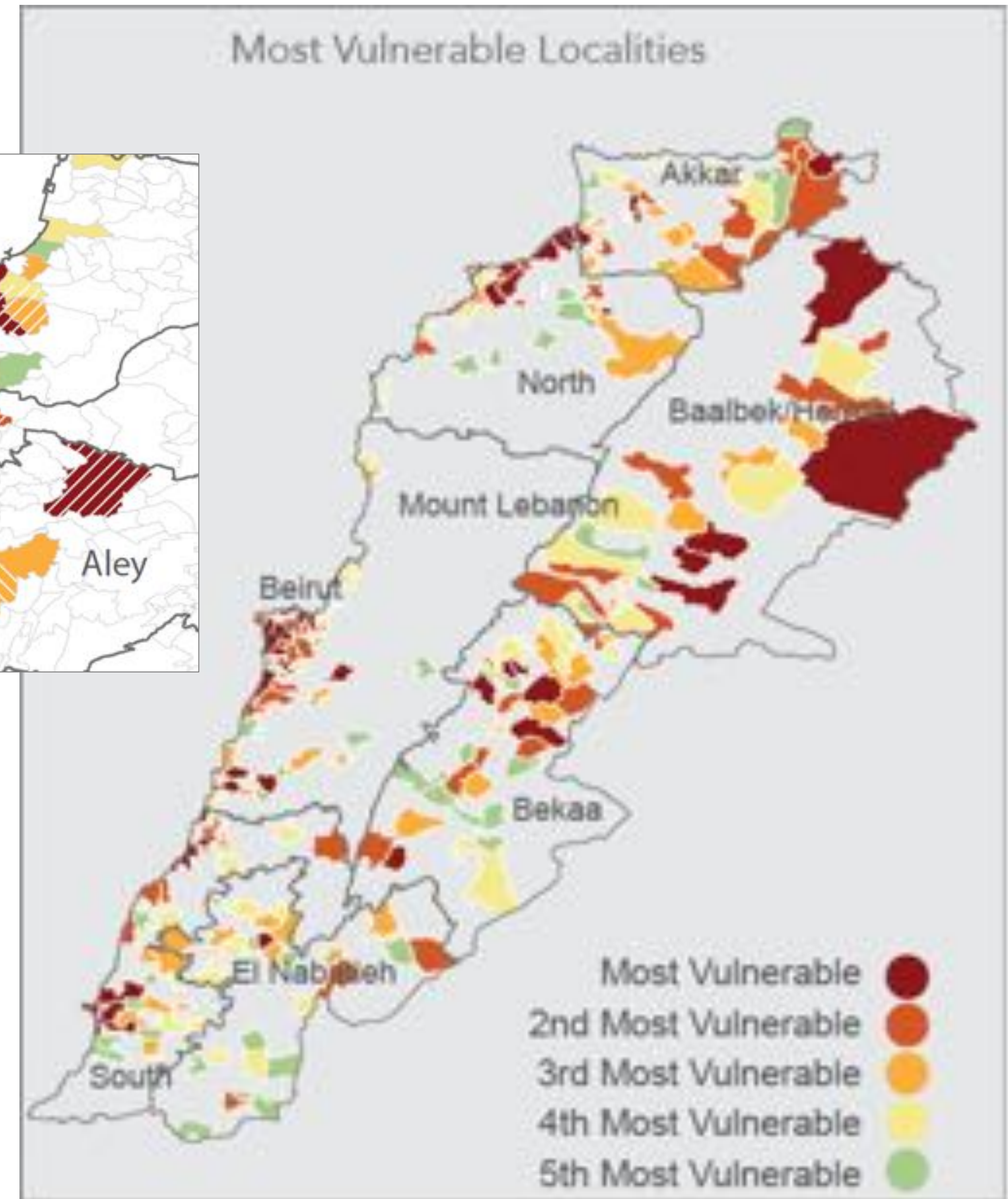
In Lebanon  
**1 in 4**  
is a Syrian  
refugee



UNHCR, 2015



OCHA, 2016b



OCHA, 2016a



A close-up photograph of a baby lying in a hammock. The baby is wearing a light-colored t-shirt and has their hands near their mouth. The hammock is made of a brown and white striped fabric. A yellow text box is overlaid on the right side of the image.

**Surviving on  
sugar and water!**



# Worldwide



Global Nutrition Report 2017

**1 in 2**

**Children**

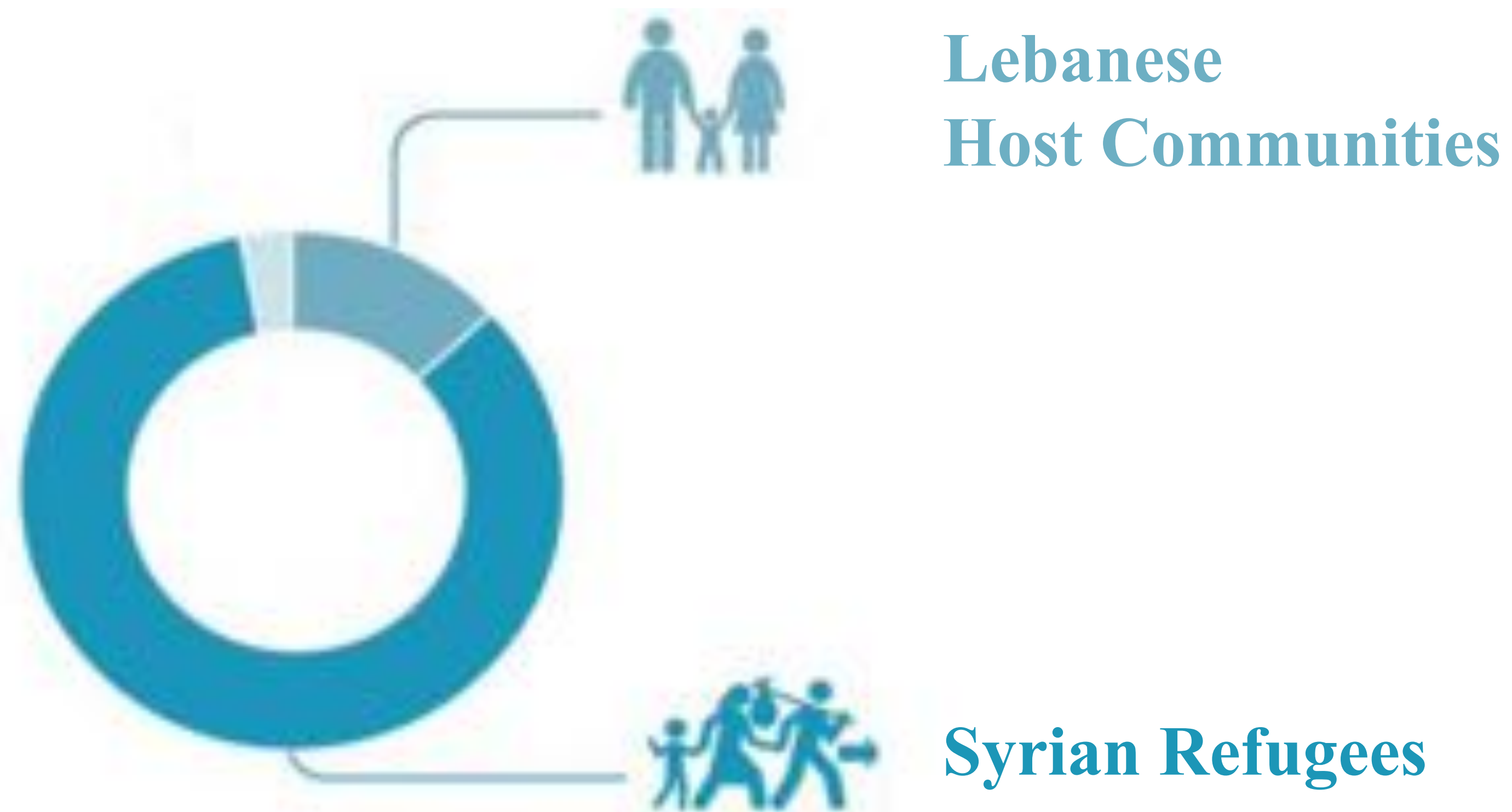
**1 in 3**

**Women**



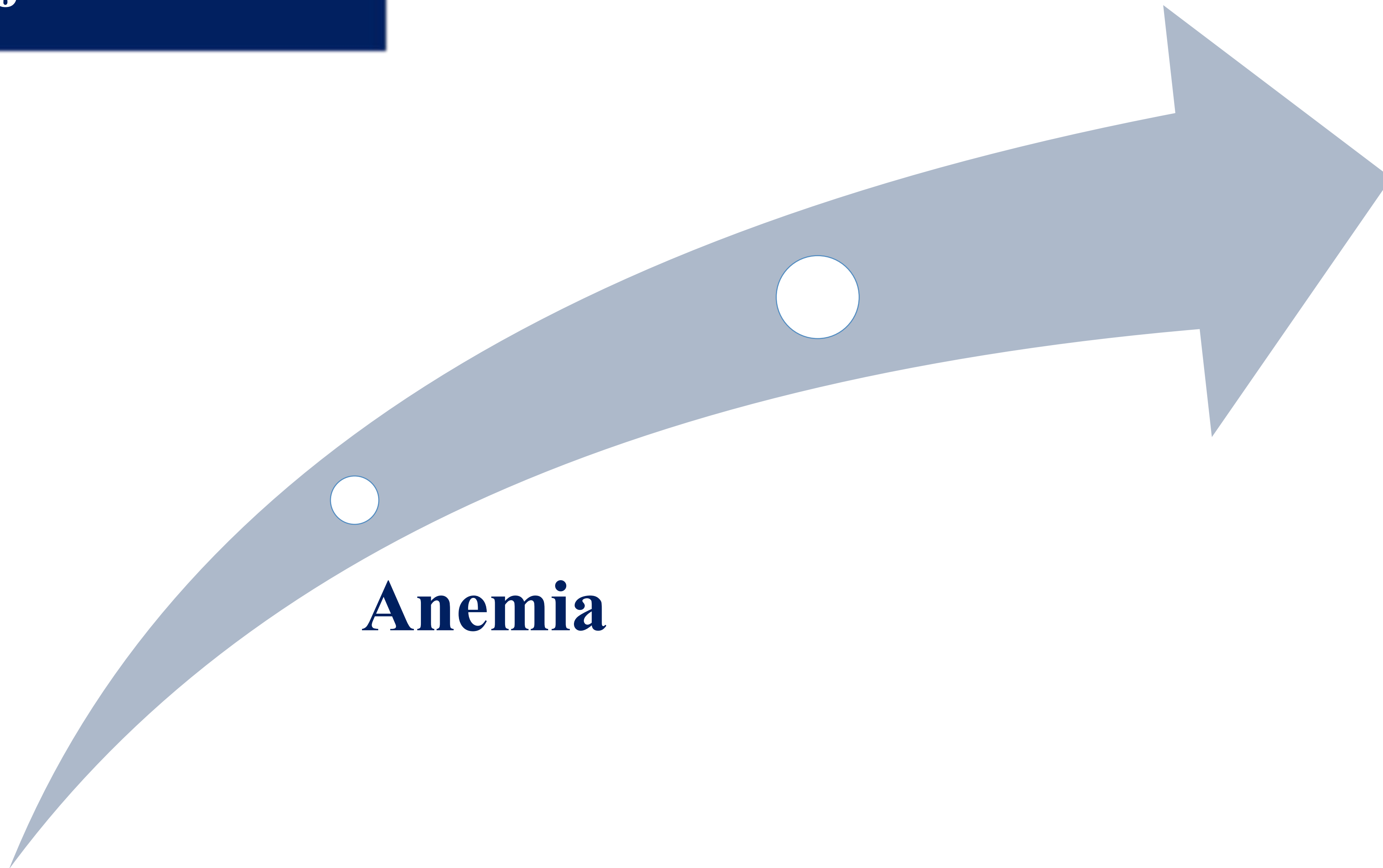


# People in Need of Food in Lebanon





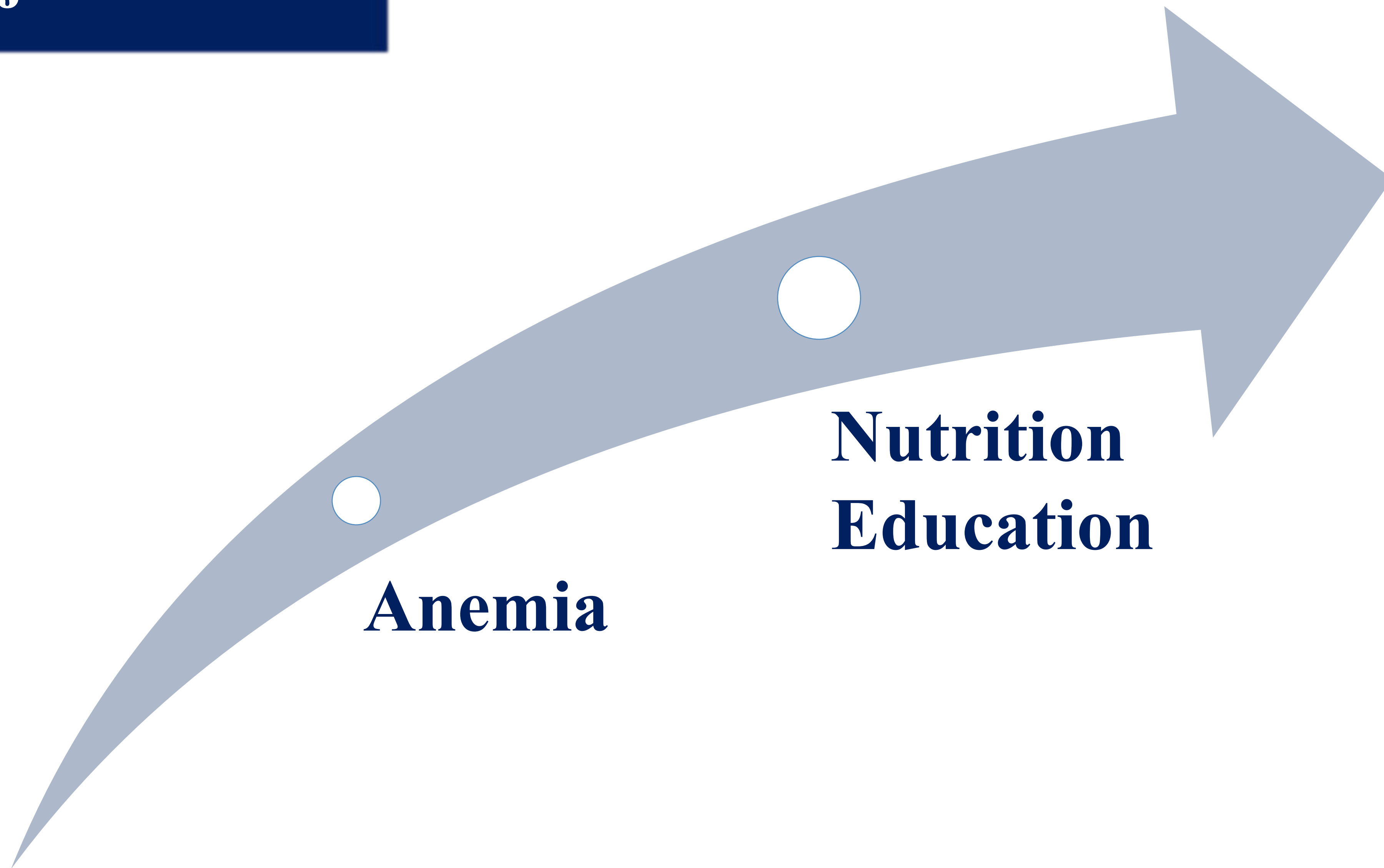
# Objectives



**Anemia**



# Objectives





# Cross-sectional



UNICEF, 2012


# Intervention



UNICEF, 2012



# Cross-sectional



**Anemia**



# Cross-sectional

**Anemia**

**Dietary  
Intake**

**Food  
Security**

**Mental  
Health**



# Intervention



Food-heritage.org



©WFP/Edward Johnson

**Nutrition  
Education**

**Dietary  
Diversity**

**Local  
Recipes**



# Budget

**Recipe  
Trials**

**Nutrition  
Education**

**Blood  
Analysis**

**Coordination**

**50%**

**40%**

**10%**



## Expected Results

**Reduction of anemia**



# Call to Action



UNICEF, 2012

**Scaling up** across Lebanon

**Sustainable** solutions



**Thank you**







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# YES!BAT - SUSTAINABLE RICE FIELDS: SAY YES! TO BATS



**Laura Garzoli**  
Italy

National Research Council - Institute of Ecosystem Study (CNR-ISE) - Italy



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**2017**

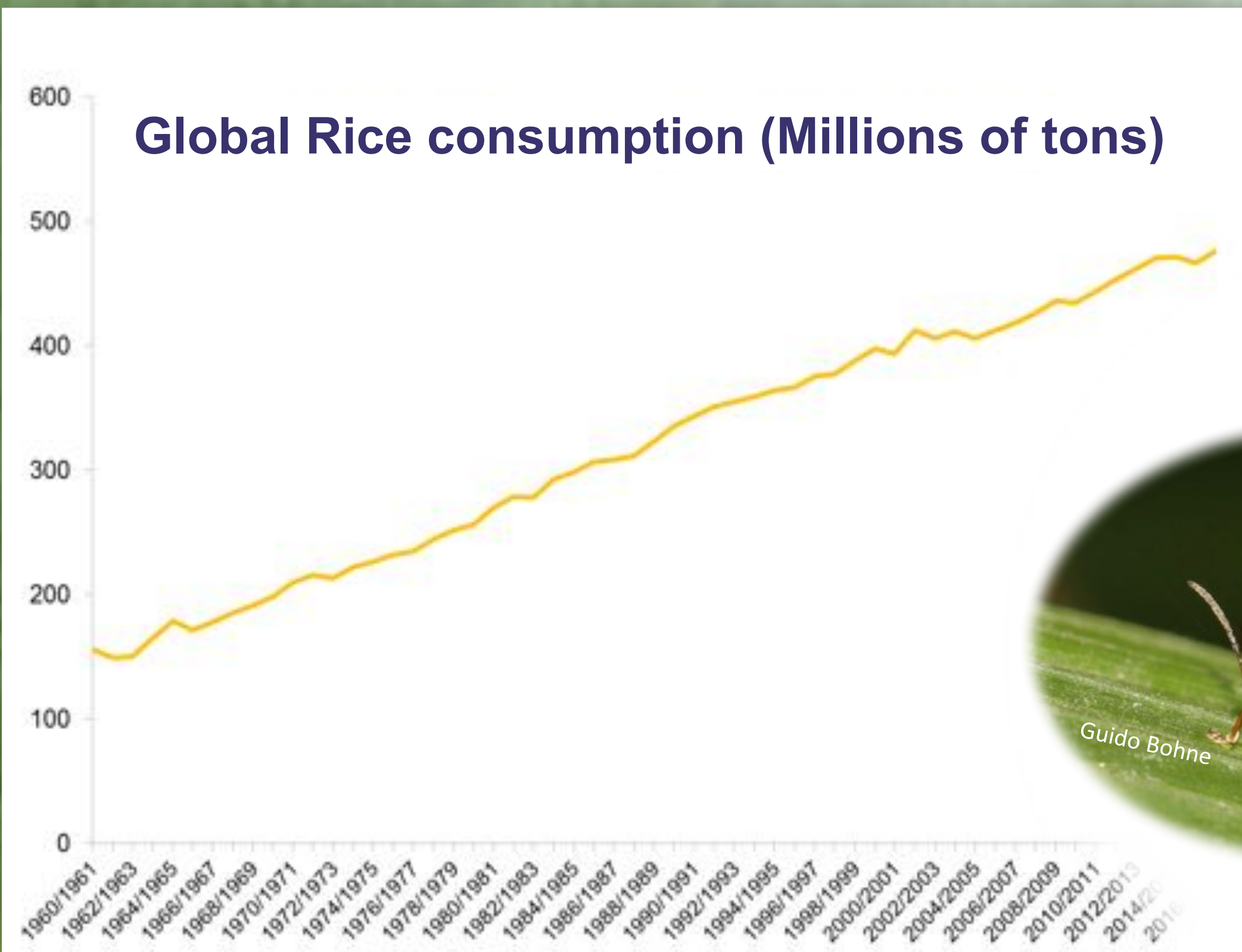


# Sustainable rice fields say **YES!** to bats





# World rice production...





... and threats



**Human health**



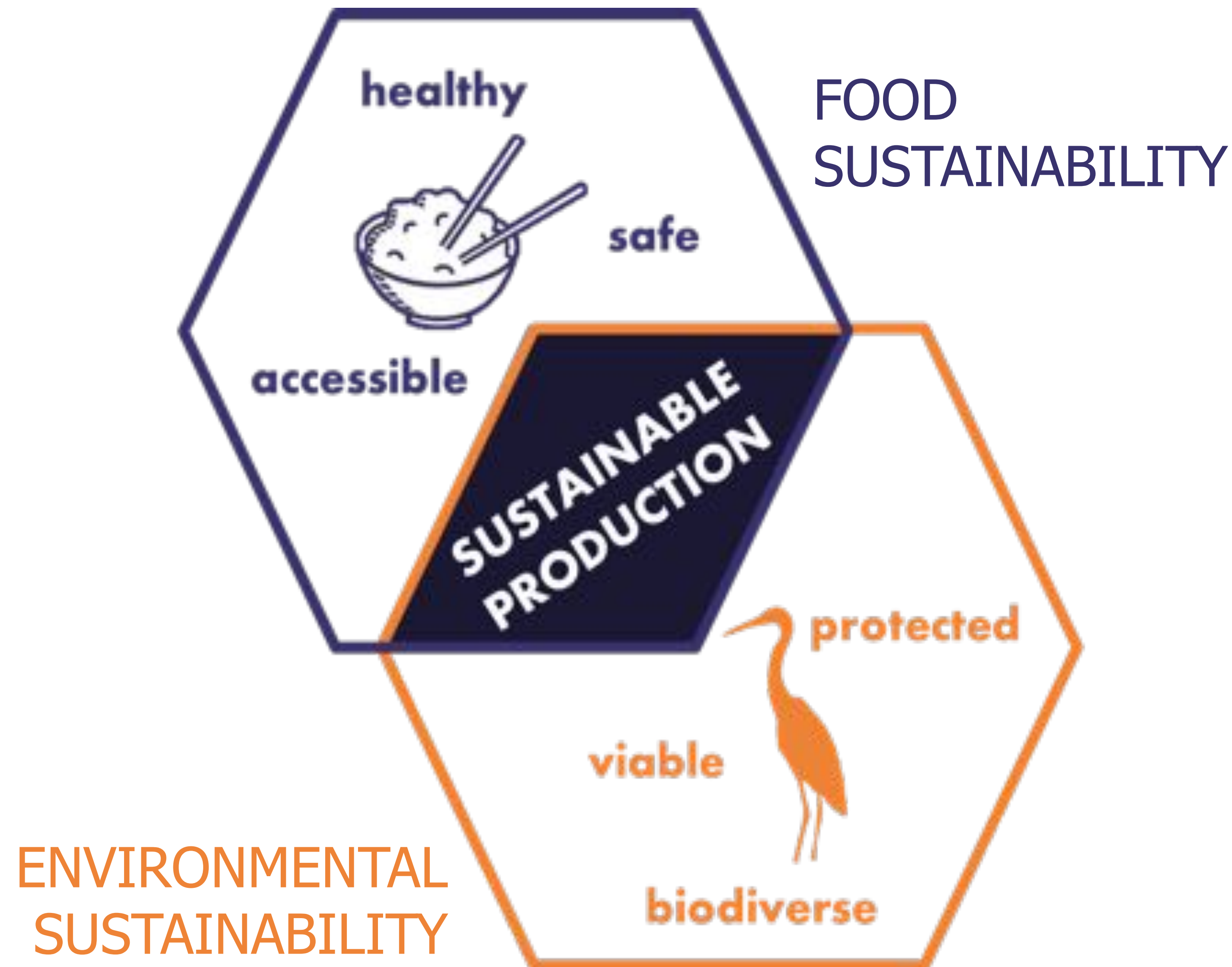
**Environmental damages**



**Long-term effects**



# IPM Integrated Pest Management





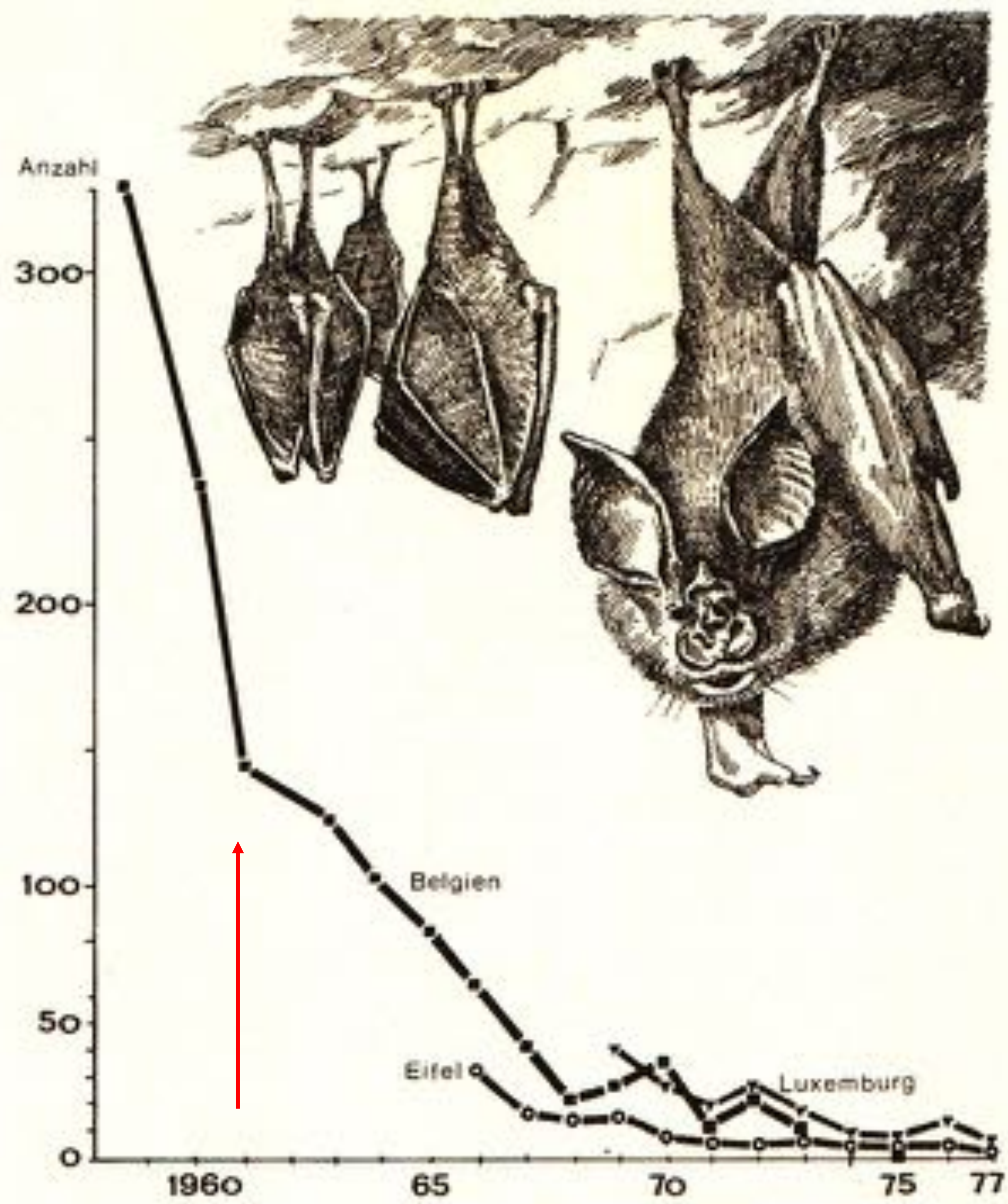


*The value of bats to the  
agricultural industry across  
the US is about  
**\$23 billion** annually*

*- Boyles et al. 2011*







Die Kleine Hufeisennase (*Rhinolophus hipposideros*) steht in Mitteleuropa unmittelbar vor dem Aussterben (vergl. S. 114 - 117)



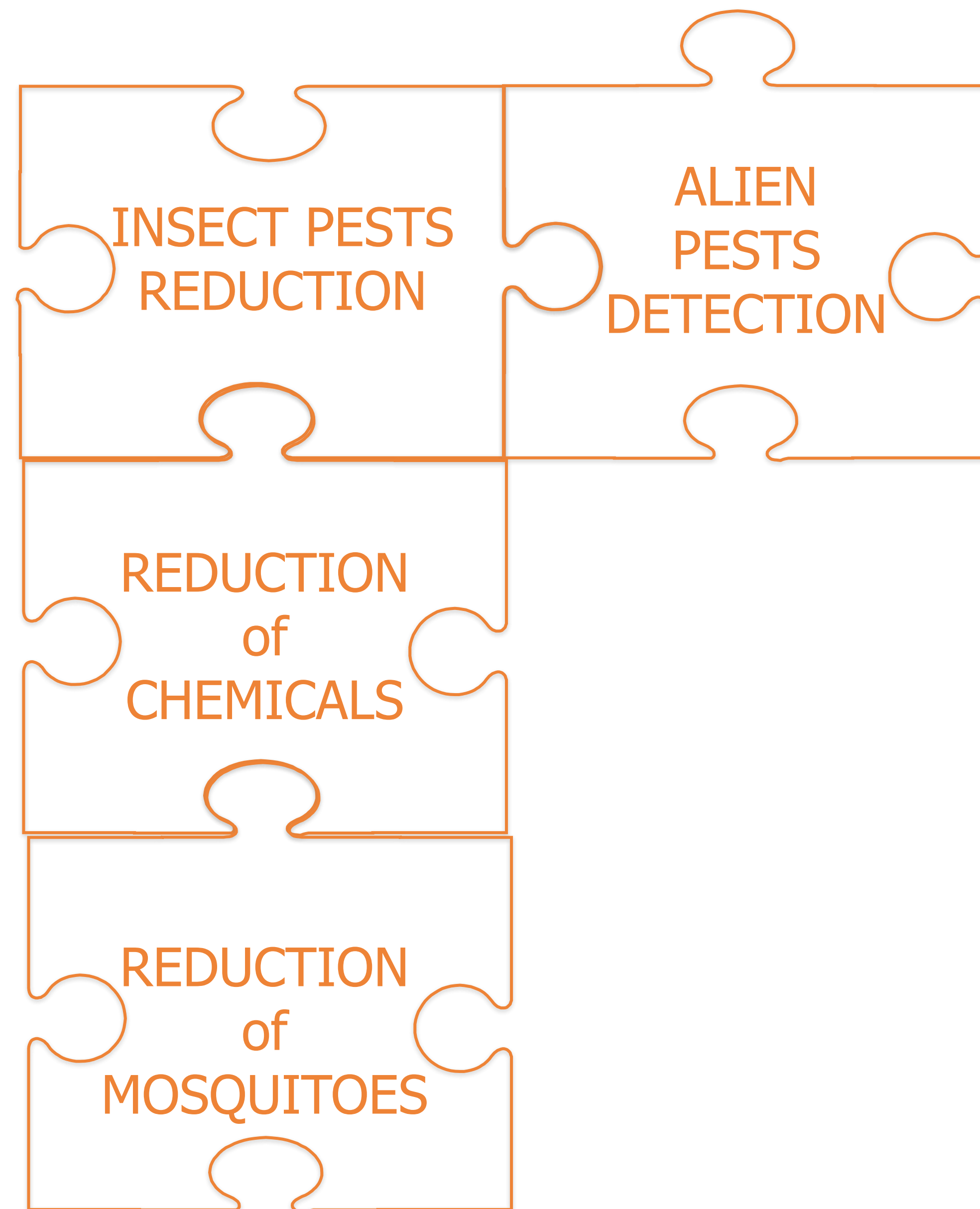


## **92/43/EEC Habitats Directive**



## **Agreement on the Conservation of Populations of European Bats – EUROBATS, UNEP 2001**









20 bat boxes  
per field

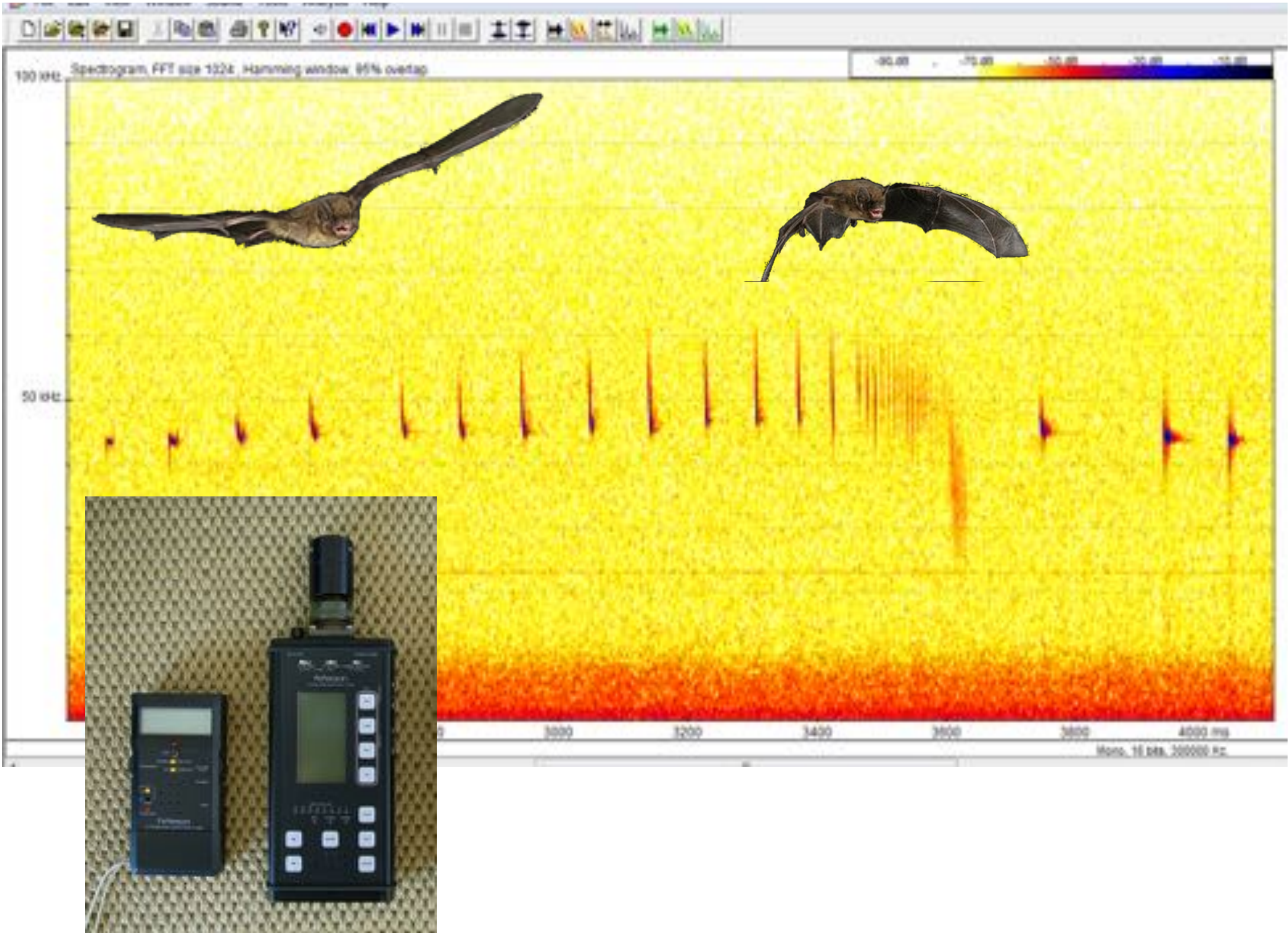


# BAT-TOOLS 1

3 fields









# BAT-TOOLS 2



✓ **DIET** and **PEST** consumption information

✓ **CHIROSURVEILLANCE SERVICE**  
use of native bats for the early detection  
of invasive and emerging agricultural  
pests



UNIVERSITÀ  
DEGLI STUDI  
DI MILANO



# Budget

**Batboxes realization and placement**

**13%**



**Acoustic survey**

**16%**



**Chirosurveillance service development**

**30%**



**Dissemination**

**15%**



**Best practice document**

**26%**





# The power of communication: from evil to heroes!





Say **YES!** to bats

