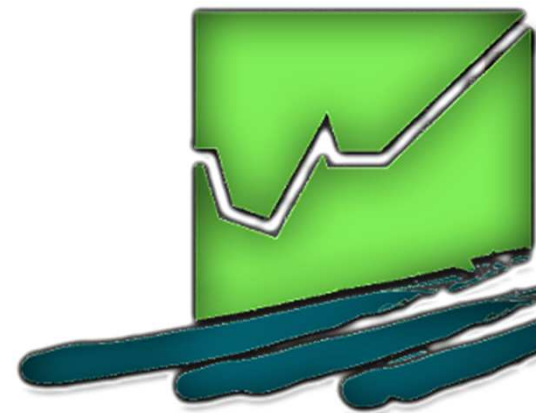


Farm Level Indicators for New Topics in Policy Evaluation



Teagasc  
(Chog-ask)

# FLINT Project Partners



# INTIA

# FLINT Advisory Board

REDP



The Irish Agriculture and Food Development Authority

## Project objective

FLINT will provide an updated data-infrastructure needed by policy makers to:

- support the implementation of relevant strategies, policies and legislation in the Europe 2020 strategy
- assist in targeting of policies by taking into account
  - the performance of farms on a wide range of relevant topics
  - the heterogeneity of the farming sector across the EU

## How?

- Analyze the developments in relevant policies and identify the need for new indicators relevant for the new policy orientations on (1) market stabilisation; (2) income support; (3) environmental sustainability; (4) climate change adaptation and mitigation; (5) innovation; and (6) resource efficiency
  - ...the wish list of possible indicators....
- The farming and agri-food sectors will be asked to determine the feasibility of collection of these indicators.
  - ....stakeholders refine the indicator list....
- Pilot network of at least 1000 farms (representative of farm diversity at EU level) to collect data on the basis of farm-level indicators to test indicators and methodologies
  - ....test data collection.....
- Test the value added of these additional data and indicators by incorporating them in a number of policy analyses case studies and assess applicability in all 28 MS
  - ..test indicator usefulness.....

## Work Package Responsibilities

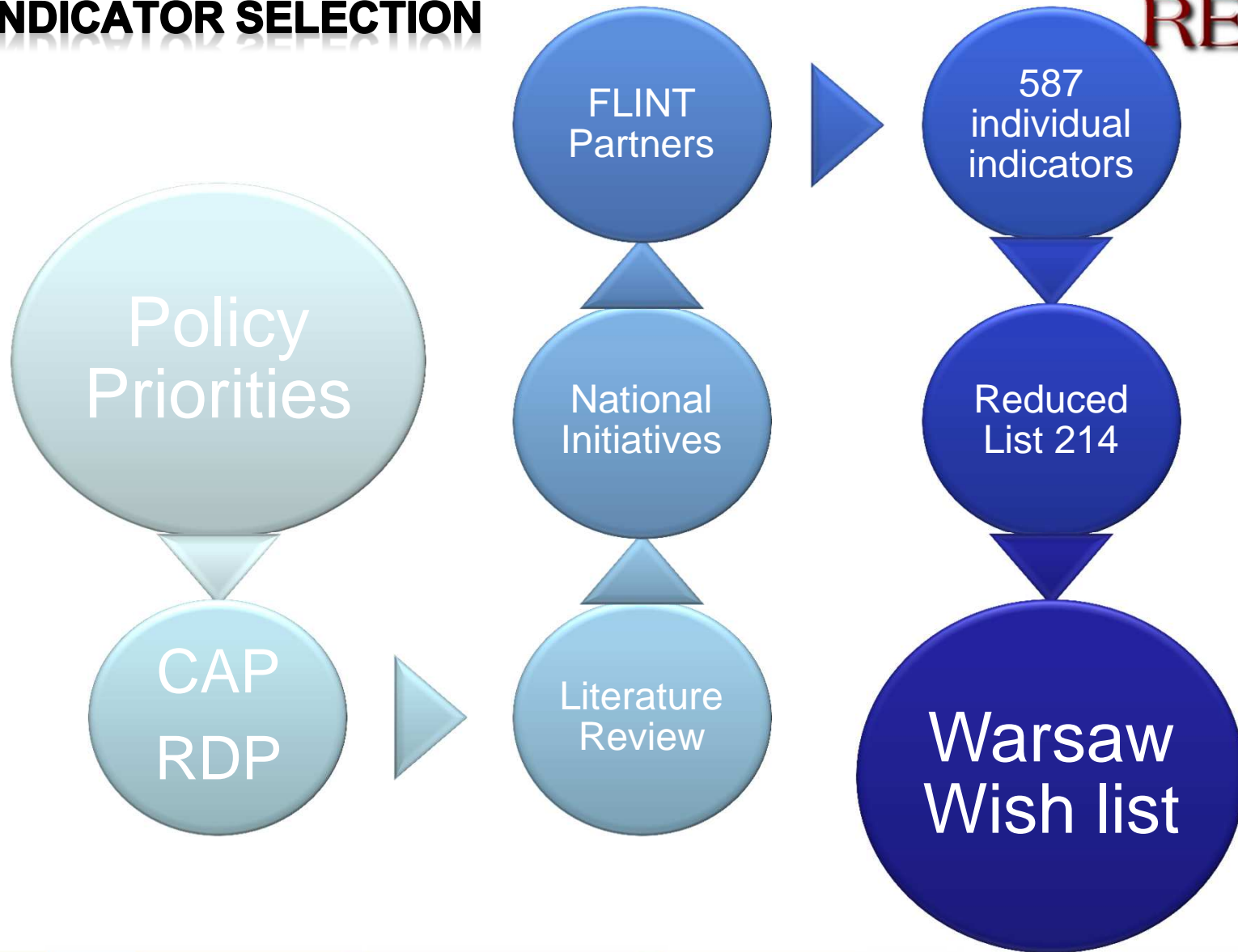
- 1 - Identify policy needs for FLINT (Ireland: Teagasc) – **What is desirable?**
- 2 - Definition and refinement of farm level indicator list (Germany: Hohenheim University) – **What is feasible in the value chain?**
- 3 - Design data collection systems (France: INRA) – **What is feasible? (system of collection)**
- 4 - Testing data collection in pilot network (Hungary: AKI) – **What is feasible? (differences in MS)**
- 5 - Analysis of the farm level indicator data in relation to data collection systems (France: INRA) - **What is useful?**
- 6 - Outcome management (Netherlands: LEI) - **What is acceptable?**
- 7 - Project management (Netherlands: LEI)

## Work Package 1 deliverables

- 1.1 Policy working paper identifying and describing policy evaluation needs
  - RDP 1-5
  - Forward-looking
- 1.2 Literature review: Farm level indicators of sustainability focusing on CAP and FADN
  - Focus on national as well as EU initiatives
  - Focus on new variables generated from existing data
- 1.3 Draft list of indicators and variables to be collected
  - Blue-sky thinking
  - Identify data gaps and deficiencies in data availability...
- 1.4 Report on sustainability indicators

# FLINT: INDICATOR SELECTION

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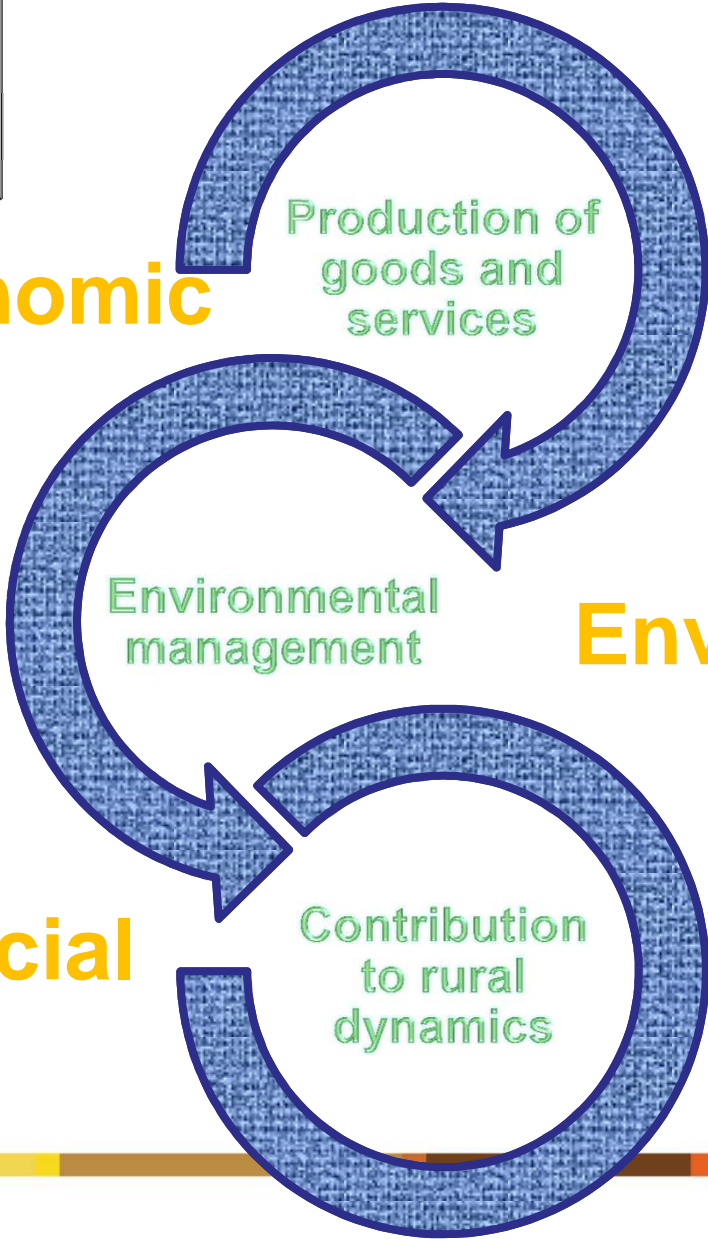


**FLINT:  
SUSTAINABILITY  
CONCEPTS**

**Economic**

Production of  
goods and  
services

Income Support  
Market Stabilisation  
Innovation



**Environmental**

Environmental  
management

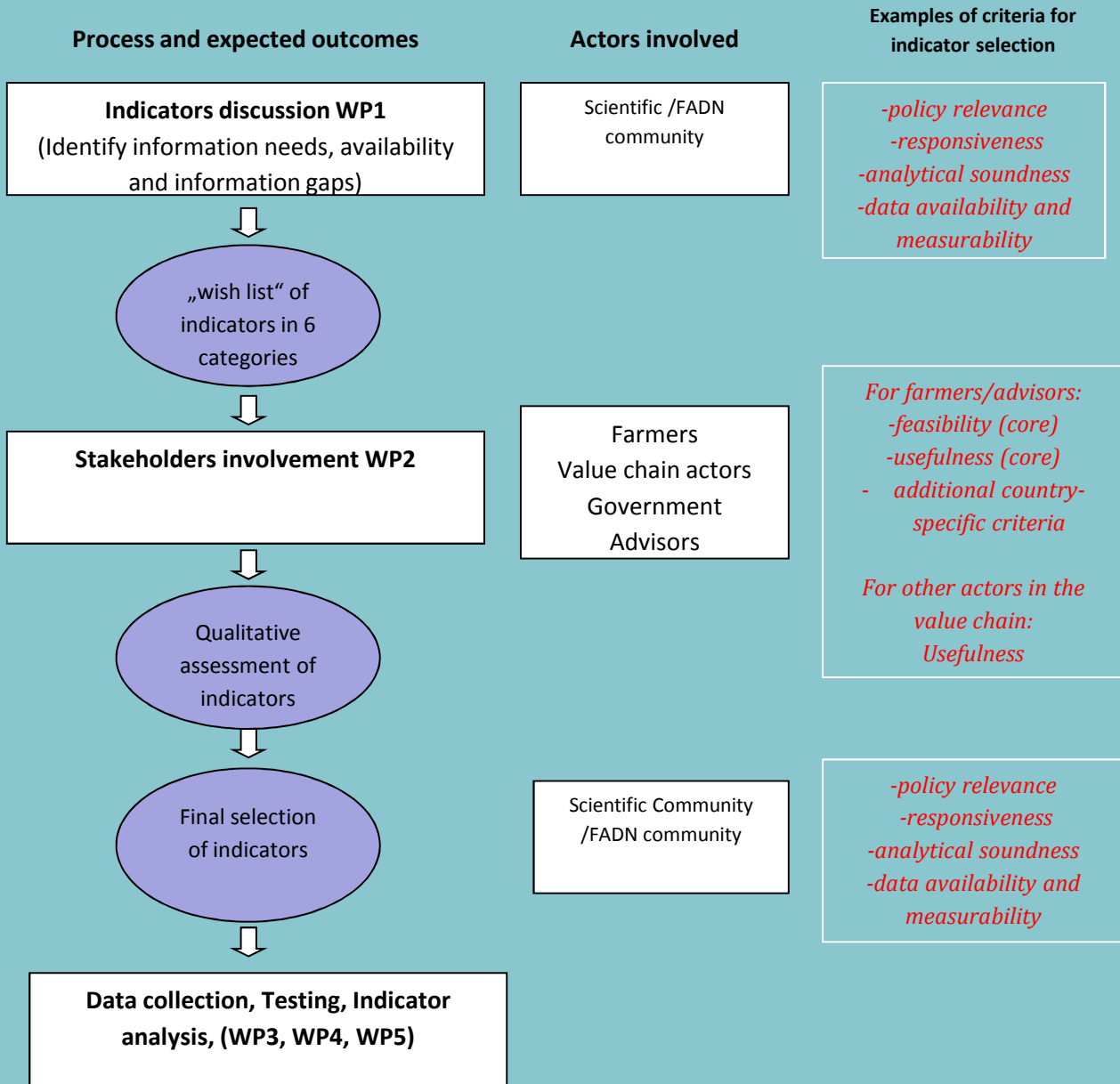
Climate  
Soil  
Water  
Biodiversity  
Energy  
Resource efficiency

**Social**

Contribution  
to rural  
dynamics

Decision making  
Health and well-being  
Social engagement  
Education

S I  
 T N  
 A V P  
 K O R  
 E L O  
 H V C  
 O E E  
 L M S  
 D E S  
 E N  
 R T



## Social Sustainability

S1: Advisory services provided to the farm

S2: Education and training

S3: Ownership/management

S4: Social engagement/participation

S5: Employment and working conditions

S6: Quality of life/Decision Making

S7: Social diversification: improving the image of farmers/agriculture in local communities

# ECONOMIC/INNOVATIVE SUSTAINABILITY

REDP

EI 1: Innovation (CIS)

EI 2: PRODUCING UNDER A LABEL or BRAND

EI 3: TYPES OF MARKET OUTLET

EI 4: Past/Future duration in farming (Survival propensity)

EI 5: Efficiency field parcel (LPIS)

EI 6: Modernisation of the farm Investment

EI 7: Insurance (events outside control of farm) - also to include personal (disability) & farm (building structure) insurance

EI 8: Share of output under contract with fixed price delivery contracts

EI 9: Risk exposure (non-agricultural activities)

## Environmental Sustainability Indicators

E1: Greening: Permanent grassland
E2: Greening: Existing/created areas of EFA
E3: Semi-natural farmland areas
E4: Pesticide usage (Pesticide risk score)
E5: Nutrient balance (N, P) (farm-gate balance)
E6: Soil organic matter in arable land
E7: Indirect energy usage
E8: Direct energy usage
E9: On-farm RE production
E10: Farm management to reduce nitrate leaching
E11: Farm management to reduce soil erosion
E12: Use of Legumes
E13: GHG emissions per product
E14: GHG emissions per ha
E15: Carbon sequestration in FADN
E 16: Water usage and storage
E 17: Irrigation practices
E 18: Crop Species diversity (Reciprocal Simpson's index)

## Economic Indicators

Market stabilisation & innovation/RDP3: New Indicators	Variables
Insurance (events outside control of farm) Also to include personal (disability) & farm (building structure) insurance	Yes/No Area covered (%) Number of contracts Focus on area or Y/N?
Share of output under contract with fixed price Delivery contracts	Volume & value of contract
Risk exposure (non-agricultural activities)	Share of (indirect) total farm income Share of off-farm revenue in household revenue Occupation (farmer & others in HH)

## Your input.....

### Feasibility.....

Additional questions

Reliability of data

Invoice driven?

Gaps

Social

Biodiversity

### Usefulness.....

Other data sources??

Thank you

Go raibh maith agaibh