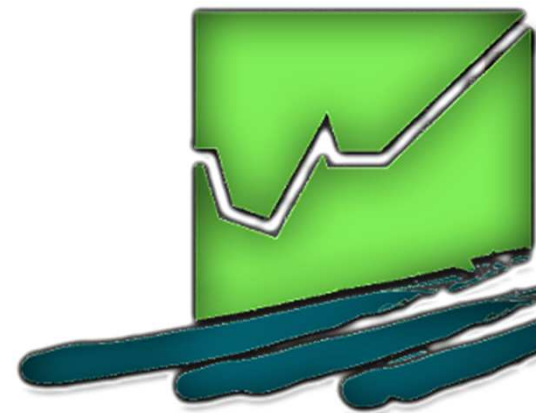


Farm Level Indicators for New Topics in Policy Evaluation



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

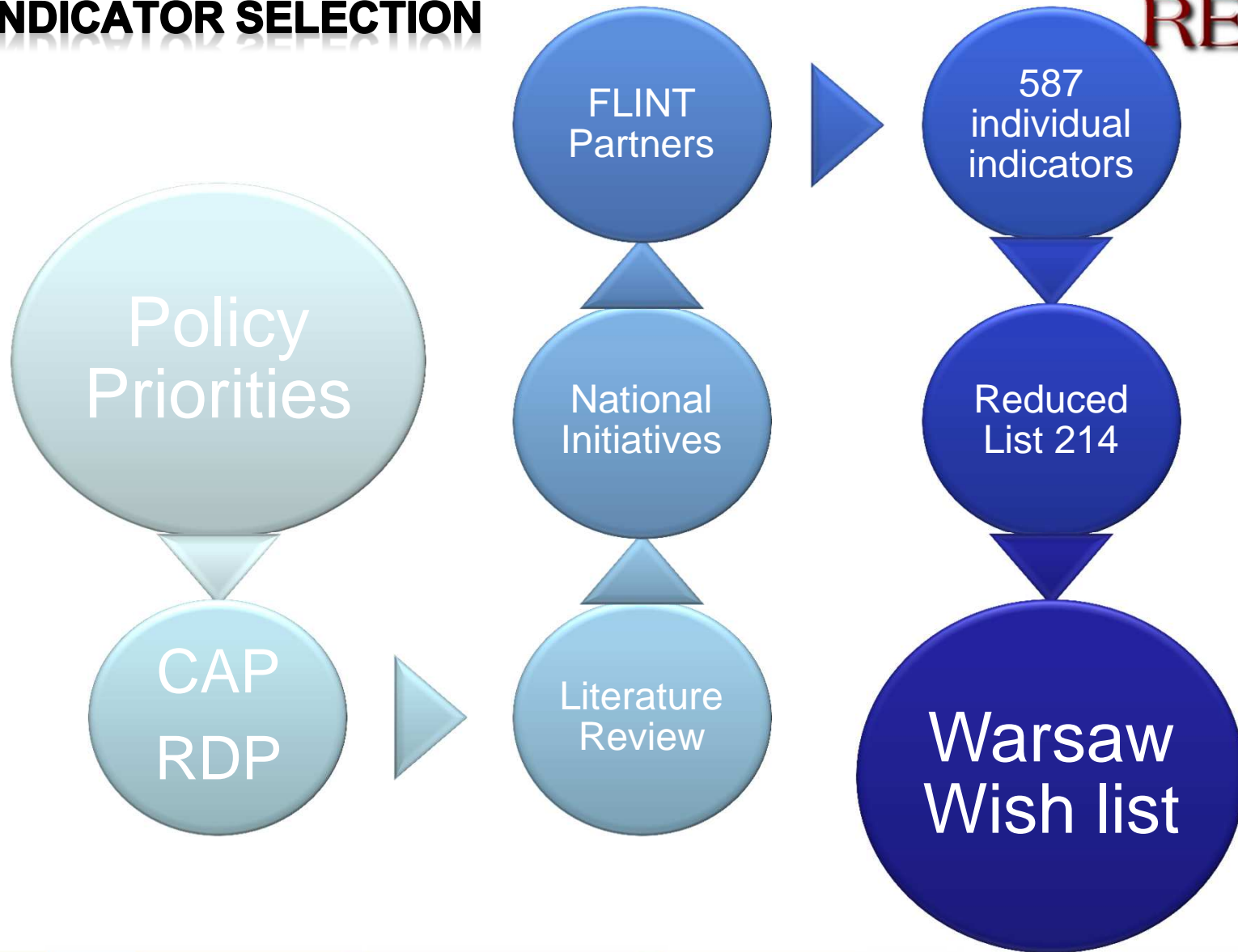
- 1 - Identify policy needs for FLINT (Ireland: Teagasc) – **What is desirable?**
- 2 - Definition and refinement of farm level indicator list (Germany: Hohenheim University) – **What is feasible in the value chain?**
- 3 - Design data collection systems (France: INRA) – **What is feasible? (system of 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

REDP

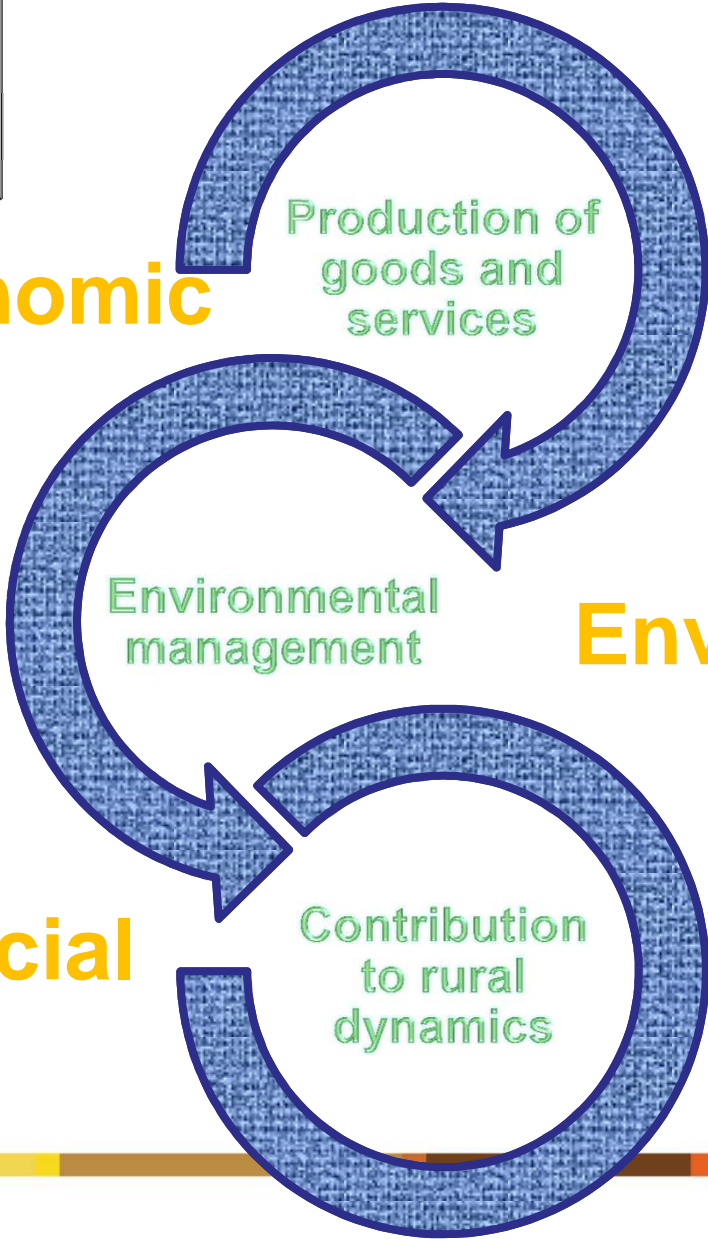


**FLINT:
SUSTAINABILITY
CONCEPTS**

Economic

Production of
goods and
services

Income Support
Market Stabilisation
Innovation



Environmental

Environmental
management

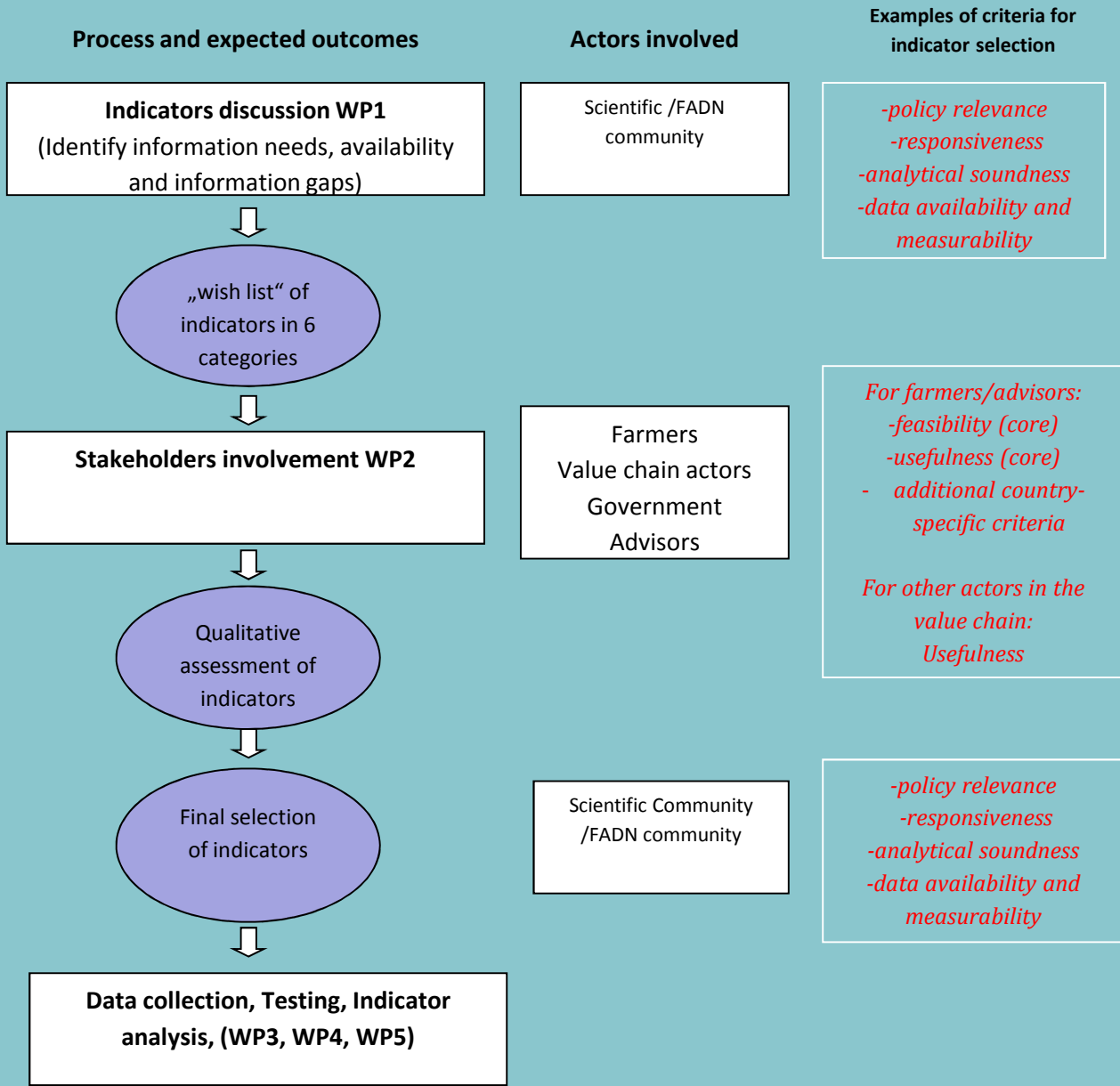
Climate
Soil
Water
Biodiversity
Energy
Resource efficiency

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