


Name	Origin	Purpose	Method	Time to complete	Example uses	Positives	Negatives
Public Goods Tool (PGT) 	2011 Organic Research Centre (Gerrard et al., 2011)	Provides an overview of various indicators related to sustainability and production of public goods. Originally focused on organic but has expanded to cover multiple methods. Inspired by RISE and SAFA framework.	Various categorised questions are asked of the user about different aspects of their farm management. The answers are scored 1 to 5 by comparison to existing data from research/literature reviews and then averaged for the whole category. A final results page provides a visual breakdown of the scores. This can be done through excel or an online form.	2-3 hours	11 large scale EU projects Adapted to specifically focus on dairy, wood production, and goat production amongst others Also used by a range of individuals from National Botanical Gardens to pioneering sustainable farmers across the UK. A full list can be found on the ORC website .	<ul style="list-style-type: none"> Relatively quick to complete Offers easy visual approach to results Highly adaptable to specific research needs Open Source 	<ul style="list-style-type: none"> Limited in specifics of results – needs to be used with other support Requires some detailed and sensitive information i.e. finance
Global Farming Metric (GFM)	2017 Organic Research Centre, University of Reading, Food Sustainability Trust, etc.	Provide a single framework for farm sustainability assessments that can be used globally as a standard for policy, research, and personal use.	Adapted the PG Tool to include weighted scores, additional biodiversity information, and relevance to all nations. Not yet fully developed so details are still being determined.	Unknown (still in development)	Stated in reports as having performed trials in the UK, US, Malawi, and Australia.	<ul style="list-style-type: none"> Standardised approach which is relevant at a global scale 	<ul style="list-style-type: none"> Not as adaptable to specific scenarios/research needs Still in development so largely unknown
Response-Inducing Sustainability Evaluation (RISE)	2003 Swiss College of Agriculture	Provides an overall sustainability assessment for farms based on a series of indicators. Applicable to all types of farm and at a global scale.	Much like the PG Tool it takes data from farmer interviews and scores them under specific indicator categories. Scores are 0 to 100 where 100 is equal to the optimum situation based off of literature and research data.	3-4 hour interview (not including data-inputting time)	The go-to tool for many European research projects e.g. Organic plus . Has also been used by Nestle on Iranian Dairy farms .	<ul style="list-style-type: none"> Globally applicable Well developed – in use for a long time and by various projects 	<ul style="list-style-type: none"> Costs €2000 for an assessment (according to Organic Plus) Takes a while to complete for both assessor and farmer Limited adaptability to specific scenarios
Cool Farm Tool (CFT)	2010 Aberdeen Centre for Environmental Sustainability, various industry partners	A farm to region-scale tool for assessing the Carbon and GHG emissions associated with farms.	Utilises existing models for carbon and GHG calculations and inputs data from farmers i.e. soil type, fertiliser, livestock, pesticides, energy etc.	15-60 minutes to generate a carbon and GHG estimate	Used by several international industry bodies such as Heineken, Costco and Heinz to name a few	<ul style="list-style-type: none"> Free for farmers Quick to complete Widely used by industry 	<ul style="list-style-type: none"> Researchers and other organisations need a membership fee Only offers information on carbon and GHGs
Farm Sustainability Assessment (FSA)	2002 Developed by the Sustainable Agriculture Initiative platform; a collaboration of Nestlé, Unilever, Danone and other large corporations	A tool for use across the supply chain with results focused on allowing industry to identify sustainable producers and support their development, as well as creating a sustainable supply chain as a whole.	112 questions on social, environment, and economic sustainability. Scoring system of bronze, silver, and gold for easy to communicate results.	Unknown	Over 200,000 farms assessed around the world, 70+ crop types.	<ul style="list-style-type: none"> Available to all agriculture producers Applicable globally to all farm types and crop types Simple advertisable label (medal) with 3rd party verification available 	<ul style="list-style-type: none"> Medal rating based on how many questions you answer, not how you answer them Limited support for farmers
Sustainability Monitoring and Assessment RouTine (SMART)	2015 Research Institute of Organic Agriculture (FiBL)	Takes the SAFA framework developed by the FAO and applies it to a farm-level. Similar in approach to RISE and PG Tool.	327 indicators (questions), around 58 different sub-themes. Similar to the RISE tool, the results are rated on a 0-100 scale where 0 represents current activity is counteractive, and 100% is maximum support.	2-3 hours	Tested on a global range of farms but most research appears to have been on central Europe . Offered a service in the past but unclear if still available.	<ul style="list-style-type: none"> Closely linked to FAO SAFA framework – credibility 	<ul style="list-style-type: none"> Required trained auditor for assessment Not publicly accessible – perhaps only a research tool
Sustainability Assessment of Food and Agriculture Systems (SAFA) Tool	2013 FAO	Provides a method of analysing supply chains and food systems in relation to the SAFA framework.	The tool runs in a downloadable software with 4 sections; Mapping for laying out the supply chain, contextualisation for geographic and regional attributes, indicators for data input, and finally reporting of the results. The tool requires users to define the result options available (contextualising), creating custom ratings for specific answers i.e. good, moderate, bad.	Unknown – highly dependent on data available and size of supply chain	As of May 2016 , 140 registered SAFA users used the tool. Used to assess sustainability of smallholder beef farming in Indonesia, farming co-operatives in Brazil, and smallholder coffee farmers in Kenya.	<ul style="list-style-type: none"> Freely accessible and links with wider SAFA framework Supply-chain wide approach 	<ul style="list-style-type: none"> Self-assessed and rated so results can easily be biased Not appropriate for individual farm assessment
Indicateurs de Durabilité des Exploitations Agricoles (IDEA)	1998 (IDEA 4 set to be released public June 2023) French Government, Supporting French organisations	Provides a sustainability assessment for farms of any type in a European context, although so far is focused on France.	Similar to the PG Tool it utilises 52 indicators filled in by farmers/assessors, resulting in a score for agro-ecological, socio-territorial, and economic sustainability. The scores are generated by comparing to values or data determined by the tool creators, likewise there is weighting of particular indicator results.	2-3 hours	Used largely in France with early versions tested on 1,500 farms between 2000-2007.	<ul style="list-style-type: none"> Well established in the France Will become freely available Noted to be relatively quick and simple to complete 	<ul style="list-style-type: none"> Farmers have found that the results are limited in their relevance Also suggest a France-based skew so struggles with applicability elsewhere