

Technical Committee

Sixty-Second Session

Geneva, October 19 and 20, 2026

SESSIONS/2026/5
Original: English

Date: September 14, 2026

Administrative and Legal Committee

Eighty-Third Session

Geneva, October 21, 2026

UPOV INFORMATION DATABASES
Document prepared by the Office of the Union
Disclaimer: this document does not represent UPOV policies or guidance
EXECUTIVE SUMMARY

1. The purpose of this document is to provide the Technical Committee (TC) and the Administrative and Legal Committee (CAJ) with an update on the UPOV information databases, with particular focus on the UPOV Plant Variety Database (PLUTO database), and to invite the CAJ to consider the proposed program for improvements to the PLUTO database.
2. PLUTO database supports users by providing access to plant variety information contributed by UPOV members and other contributors, and by offering denomination similarity search functionalities to support preliminary checks of proposed variety denominations.
3. The use of the PLUTO database continues to grow across its main user groups, including paying *Premium* users, non-paying *Premium* users or eligible officials, PVP contributors and standard service users. This growth confirms the continued relevance of the PLUTO database as a common information resource for plant variety protection authorities, contributors and other users.
4. The contributor and user surveys conducted in 2026 identified a generally positive level of satisfaction, while also highlighting areas requiring improvement:
 - (a) contributors emphasized the need for clearer guidance, stronger validation, more efficient error correction and greater automation;
 - (b) users emphasized the need for a simpler search interface, clearer results, more flexible denomination workflows and improved export and reporting capabilities.
5. In response, the proposed Program for Improvements to the PLUTO database (Program) is structured around five workstreams: (1) data contribution improvement; (2) data quality; (3) search and denomination workflow; (4) *Premium* service enhancement; and (5) operating model and roadmap governance.
6. The Program is intended to enhance the completeness, quality, timeliness and usability of PLUTO data, while strengthening the value of PLUTO for contributors, users and *Premium* subscribers.
7. The Program is proposed to be implemented progressively during the period 2027–2029 and monitored through targeted Key Performance Indicators (KPIs) including data coverage, data timeliness, submission frequency, data quality, contributor experience, governance, search usability, denomination workflow, *Premium* subscribers' satisfaction and number of *Premium* subscriptions.

8. The following abbreviations are used in this document:

TC:	Technical Committee
CAJ:	Administrative and Legal Committee
TWA:	Technical Working Party for Agricultural Crops
TWF:	Technical Working Party for Fruit Crops
TWO:	Technical Working Party for Ornamental Plants and Forest Trees
TWPs:	Technical Working Parties
TWV:	Technical Working Party for Vegetables

9. The structure of this document is as follows:

EXECUTIVE SUMMARY	1
PLUTO DATABASE	2
Current Use and Access	2
Results of contributors and users surveys	3
Program for Improvements to the PLUTO Database	4
GENERA AND SPECIES DATABASE (GENIE DATABASE)	5
Background	5
UPOV Code developments	5
Amendments to UPOV Codes for <i>Citrus</i>	6
GENIE Database developments	6
ANNEX I REPORT ON DATA CONTRIBUTED TO PLUTO BY MEMBERS OF THE UNION AND OTHER CONTRIBUTORS	
ANNEX II DRAFT PROGRAM FOR IMPROVEMENTS TO THE PLUTO PLANT VARIETY DATABASE	

PLUTO DATABASE

10. The PLUTO Plant Variety Database contains information on plant varieties from UPOV members and the Organization for Economic Co-operation and Development (OECD). In accordance with the UPOV Convention, each protected plant variety must have a denomination that is different from an existing variety of the same plant species or a closely related species. The PLUTO database offers a similarity search tool that helps users perform a preliminary check on whether a denomination is too similar to existing ones within the same Variety Denomination Class ([UPOV/EXN/DEN "Explanatory Notes on Variety Denominations under the UPOV Convention"](#)).

11. There are four types of users:

- **Paying *Premium* users:** Users who subscribe to the paid PLUTO *Premium* service and may use enhanced functionalities such as unlimited data download, unlimited display of search results and saved search criteria.
- **Non-paying *Premium* users (Eligible Officials):** Officials who have access to *Premium*-level functionalities without a paid subscription, typically because of their official role within a UPOV member authority or related organization.
- **PVP contributors:** Users from Plant Variety Protection offices or authorities who submit and maintain data in PLUTO, including information on applications, grants, denominations, and related records. Those users have also access to *Premium*-level functionalities without a paid subscription.
- **Standard service users:** Users of the free standard PLUTO service, with limited functionalities.

Current Use and Access

12. The number and different types of users of the PLUTO database from 2022 to 2026 are indicated in the table below:

Type of users	2022	2023	2024	2025	2026*
Paying <i>Premium</i> users	21	52	8	24	28
Non-paying <i>Premium</i> users (Eligible Officials)	136	149	151	165	167
PVP contributors	43	59	61	68	76
Standard service users	2,704	4,370	4,855	7,608	8,015

*as of August 2026.

13. The number of PLUTO database users (7,865 in 2025) continues to grow, reflecting sustained community interest in conducting *ad hoc* searches; this trend extends to the *Premium* service, which saw an increased usage in 2025 (24 subscriptions). Although the 2026 figures cover only the period up to August 2026, they already show an improvement compared with 2025, with 8,286 users overall, including 28 paying *Premium* users.

14. A key driver increasing the use of the PLUTO database was the inclusion of a link to the Plant Varieties and Seeds Gazette of the United Kingdom on plant variety protection (<https://gazette.upovepvp.upov.int/>).

15. A report on data contributed to PLUTO by members of the Union and other contributors is provided in Annex I to this document.

16. Since the TC and CAJ sessions in 2025, initial engagement with Oman, the United Republic of Tanzania and Uzbekistan has resulted in ongoing support for data preparation, sample data review and record correction.

Results of contributors and users surveys

16. At the TC¹ and CAJ² sessions in 2025, it was agreed to issue two surveys, one for users and one for contributors to identify the requirements and propose a plan for improvements.

Surveys	Date	Number of responses	Number of authorities	Overall satisfaction rate
Contributors	February 3 to 28, 2026	35	31	78.0%
Users	May 11 to 31, 2026	358	64	77.6%

17. According to the contributors' survey results, respondents generally value PLUTO's support, with a satisfaction rate of **78%**. They particularly appreciate the Helpdesk, training, user guidance, and automated ways to contribute. Despite this, contributors still encounter challenges such as inflexible templates, sensitivity to date formats, lack of pre-upload validation, difficulties with UPOV Code mapping, and lengthy manual corrections.

18. The top areas identified for improvement are more straightforward user guidance, enhanced data validation, better error-correction processes, and increased automation in data submission.

19. Present efforts from the UPOV Office and the contributors to improve accessibility and effectiveness are not enough to achieve full data completeness. It is a shared responsibility for both the UPOV Office and data contributors to take proactive steps to enhance the quality of PLUTO data, ensuring that it meets the needs of all UPOV members.

20. According to the users' survey results, overall, feedback is mixed-positive: users value PLUTO database for denomination checks, status verification, and centralized variety information, but they want a simpler interface, clearer results, better search accuracy, wider data coverage, and more practical export/reporting features. The tables below describe the overall satisfaction rate per user type and functionality.

¹ TC, sixty-first session, held in Geneva on October 20 and 21, 2025.

² CAJ, eighty-second session, held in Geneva on October 22, 2025.

Type of users	Responses	Satisfaction rate
Standard service users	262	71.5%
Paying <i>Premium</i> user	13	75.4%
Non-paying <i>Premium</i> user (Eligible Officials)	17	81.2%
PVP contributors	28	75.0%

Functionality	Satisfaction rate
Search interface ease	66.2%
Results clarity	67.8%
Batch denomination testing usefulness	74.6%
Crop group search usefulness	73.8%

21. The top areas identified for improvement are search and denomination workflows, to simplify the user experience, improve filtering and result display, and make denomination searches more flexible and easier to interpret. These improvements respond to feedback from users who highlighted the need for a more intuitive interface, better filtering, clearer results and additional search options.

22. For *Premium* services, the priority is to improve the value proposition of PLUTO *Premium* by enhancing download/export capabilities and introducing richer data exploration functions, including interactive filtering, aggregation and visualizations. These improvements will support both user needs and the long-term sustainability of PLUTO.

Program for Improvements to the PLUTO Database

23. The objective of the Program for Improvements to the PLUTO Database is to enhance the completeness, quality, timeliness and usability of PLUTO data, while strengthening the value of PLUTO database for all types of users. The program will be implemented progressively during the period 2027–2029 and will be organized around five workstreams, as described in Annex II:

- Workstream 1: Data contribution improvement, targeting uneven contribution patterns and gaps in coverage by refining onboarding, guidance, and validation processes.
- Workstream 2: Data quality, focusing on reducing complexity through tools like the Review Deck and streamlining error correction and submission protocols.
- Workstream 3: Search and denomination workflow, which aims to provide a simpler interface, flexible search options, and improved record comparison for users.
- Workstream 4: *Premium* service enhancement, focusing on expanding download, exploration, filtering, aggregation, and visualization features that drive satisfaction and value for paying users and eligible officials.
- Workstream 5: Operating model and roadmap governance, which ensures monitoring progress of the implementation of the program.

24. In addition to the five identified workstreams, four additional actions, focusing on regular and complete contributions, are proposed to support program development:

- (a) A survey will be conducted in Q4 2026 among PVP contributors to determine:
 - (i) Frequency and modality of publication (e.g. gazette, others), enabling identifying the potential regular contributors
 - (ii) Number of validation issues per submission
 - (iii) Average time needed to correct rejected records per type of issue (e.g. UPOV Code, others)
- (b) The PLUTO Database Task Force will be established in order to get frequent feedback from all types of contributors and users and adjust the priorities on the possible improvements; over 56 users and contributors have already expressed interest in participating, while 126 would like to be kept informed.

- (c) A contributor survey is scheduled for Q3 2028 to evaluate the impact of Workstreams 1 and 2.
- (d) A user survey is scheduled for Q4 2029 to assess the effectiveness of Workstreams 3 and 4.

25. *The TC and the CAJ are invited to:*

(a) note the outcome of the survey for contributors and users as set out in paragraphs 16 to 22 of this document;

(b) consider the proposed initiatives, comprising the survey on contribution frequency and time spent, the establishment of PLUTO Database Task Force, and the time for next contributors and users survey, as set out in paragraph 24 of this document; and

(c) encourage members of the Union to provide regular and complete contributions to PLUTO.

26. *The CAJ is invited to:*

(a) approve the Program for improvements to PLUTO Plant Variety database, as presented in Annex II; and

(b) invite the Office of the Union to provide regular updates on the implementation of the Program based on the proposed key performance indicators in Annex II.

GENERA AND SPECIES DATABASE (GENIE DATABASE)

Background

27. The Genera and Species database (GENIE database – available at: <https://www.upov.int/genie/en/>) has been developed to provide online information on the status of protection, experience in DUS testing and existence of UPOV Test Guidelines for different GENera and specIEs (hence GENIE). The GENIE database is used to generate the relevant UPOV documents concerning that information³.

28. The GENIE database is the repository of the UPOV Codes and provides information concerning the principal and alternative botanical names and common names of plant taxa.

UPOV Code developments

29. In 2025, 135 new UPOV Codes were created. The total number of UPOV Codes in the GENIE database as of August 10, 2026 was 10,151.

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026*
New UPOV Codes	440	242	243	177	131	183	78	505	135	99
Total UPOV Codes	8,589	8,844	9,077	9,213	9,342	9,525	9,605	10,109	10,111	10151

* as of August 10, 2026

30. Experts of the TC, TWV, TWA, TWO and TWF are invited to check the information on the new UPOV Codes added to the GENIE database and the amendments to existing UPOV Codes and submit comments to the Office of the Union by December 31, 2026.

³ See documents C/[session]/INF/6 "List of the taxa protected by the members of the Union; TC/[session]/INF/4 "List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability"; and TC/[session]/2 "Test Guidelines".

31. *The TC is invited to:*

(a) *note the development on the UPOV Codes as set out in paragraph 29 of this document.*

(b) *invite experts to check the new and amended UPOV Codes, as set out in paragraph 30 of this document.*

Amendments to UPOV Codes for *Citrus*

32. The TC, at its sixtieth session⁴, noted the reclassification of genera and species of the *Citrus* complex which are no longer recognized as valid botanical names, including the genera ×*Citroncirus*, *Fortunella* and *Poncirus*.

33. The TC, at its sixty first session⁵, considered the proposal from the TWF and agreed to amend the UPOV Codes for the genera ×*Citroncirus*, *Fortunella* and *Poncirus*. On February 5, 2026, the Office of the Union issued Circular E-26/010 to all UPOV bodies to announce the amendments to the UPOV Codes, which took effect on March 16, 2026.

34. Discussions on the UPOV Codes for *Citrus* continue and further proposals will be provided to the TWF, at its session in 2026⁶. A report on developments will be provided to the TC at its sixty-second session, as an addendum to this document, as appropriate.

GENIE Database developments

35. Due to technical constraints and the need to ensure maintainability, the GENIE database was migrated to the cloud. This migration also provided an opportunity to offer users an improved experience, with a new look and feel aligned with the new UPOV website. A new version of the GENIE database was released in December 2025.

36. *The TC is invited to note developments on the amendments to UPOV Codes for *Citrus* and GENIE database, as set out in paragraphs 32 to 35 of this document.*

[Annexes follow]

⁴ Technical Committee, sixtieth session, held in Geneva on October 21 and 22, 2024. See document TC/60/8 “Report”, paragraph 56.

⁵ Technical Committee, sixty first session, held in Geneva on October 20 and 21, 2025. See document TC/61/8 “Report”, paragraphs 48 to 51.

⁶ TWF/57, to be held from September 7 to 10, 2026, in Leipzig, Germany.

ANNEX I

REPORT ON DATA CONTRIBUTED TO PLUTO BY MEMBERS OF THE UNION
AND OTHER CONTRIBUTORS

Contributor		Number of applications for PBR in 2025 ⁷	Number of new data submissions to PLUTO				
			2022	2023	2024	2025	2026
African Intellectual Property Organization	OA	n/a	0	0	0	0	0
Albania	AL	0	0	0	0	0	0
Argentina	AR	430	30	17	32	19	23
Armenia	AM	34	-	-	0	0	0
Australia	AU	269	16	8	2	0	0
Austria	AT	0	4	6	5	8	2
Azerbaijan	AZ	n/a	0	0	0	0	0
Belarus	BY	56	0	1	1	1	0
Belgium	BE	0	6	7	9	6	3
Bolivia (Plurinational State of)	BO	0	0	1	0	0	0
Bosnia and Herzegovina	BA	0	0	0	0	0	0
Brazil	BR	342	9	8	11	11	5
Bulgaria	BG	27	10	8	8	7	5
Canada	CA	371	3	12	11	9	5
Chile	CL	83	4	6	7	5	2
China	CN	20,967	0	0	2	4	0
Colombia	CO	156	1	0	0	0	0
Costa Rica	CR	14	0	0	0	0	0
Croatia	HR	6	1	1	2	2	1
Czech Republic	CZ	42	5	6	4	10	5
Denmark	DK	2	15	10	11	11	5
Dominican Republic	DO	n/a	2	1	1	0	0
Ecuador	EC	91	0	0	0	0	0
Egypt	EG	69	1	2	10	0	0
Estonia	EE	4	7	5	7	7	3
European Union	QZ	2,897	12	9	21	29	10
Finland	FI	11	4	2	4	2	0
France	FR	111	10	9	11	10	8
Georgia	GE	8	0	1	0	1	1
Germany	DE	33	10	10	11	10	7
Ghana	GH	0	0	0	0	0	0
Hungary	HU	49	12	9	8	7	5
Iceland	IS	0	0	0	0	0	0
Ireland	IE	2	2	2	4	2	2
Israel	IL	51	2	1	0	0	1
Italy	IT	14	1	2	2	4	1
Japan	JP	531	0	0	1	1	0
Jordan	JO	20	0	0	0	0	0
Kenya	KE	65	0	1	0	0	0
Kyrgyzstan	KG	n/a	0	0	0	0	0
Latvia	LV	7	3	0	1	0	1
Lithuania	LT	2	3	1	3	5	2
Mexico	MX	279	2	2	4	0	1
Montenegro	ME	0	0	0	0	0	0
Morocco	MA	134	1	0	0	0	0
Netherlands (Kingdom of the)	NL	794	10	13	13	10	6
New Zealand	NZ	116	6	6	7	7	4
Nicaragua	NI	n/a	1	0	0	0	0
Nigeria	NG	0	-	-	-	0	0
North Macedonia	MK	0	0	0	0	0	0
Norway	NO	28	4	3	2	2	2
Oman	OM	0	0	0	0	0	0
Panama	PA	1	0	1	0	0	0
Paraguay	PY	51	2	1	1	0	0
Peru	PE	71	1	2	1	0	0
Poland	PL	143	3	4	8	7	3
Portugal	PT	4	0	3	2	1	0
Republic of Korea	KR	582	0	0	0	3	4

⁷ See document C/60/7 "Plant variety protection statistics for the period 2020-2025".

Highlighted in grey indicates data provided via the CPVO.

Contributor		Number of applications for PBR in 2025 ⁷	Number of new data submissions to PLUTO				
			2022	2023	2024	2025	2026
Republic of Moldova	MD	19	1	1	2	2	2
Romania	RO	57	5	3	4	3	5
Russian Federation	RU	462	0	0	0	0	0
Saint Vincent and the Grenadines	VC	0	0	0	0	0	0
Serbia	RS	76	1	3	1	1	0
Singapore	SG	3	0	0	0	0	0
Slovakia	SK	8	4	3	5	11	6
Slovenia	SI	0	4	2	5	3	0
South Africa	ZA	254	0	0	1	0	0
Spain	ES	82	9	5	11	6	4
Sweden	SE	0	11	5	9	8	5
Switzerland	CH	48	9	7	7	7	7
Trinidad and Tobago	TT	0	0	0	0	0	0
Tunisia	TN	10	0	0	0	0	1
Türkiye	TR	279	0	1	1	0	0
Ukraine	UA	895	0	6	23	9	8
United Kingdom	GB	825	7	7	12	1,373*	2,120 *
United Republic of Tanzania	TZ	9	0	0	0	0	0
United States of America	US	1298	13	2	18	14	12
Uruguay	UY	78	1	1	0	0	0
Uzbekistan	UZ	75	0	0	0	0	0
Viet Nam	VN	225	1	0	3	0	0
OECD	QM	-	0	1	0	2	1
Total		29,250	193	196	273	1,522	2,272

* Automatic contribution from UPOV e-PVP Administration Module.

[Annex II follows]

ANNEX II

DRAFT PROGRAM FOR IMPROVEMENTS TO THE PLUTO PLANT VARIETY DATABASE

INTRODUCTION

1. The PLUTO Plant Variety Database Improvement Program (Program) is designed to address evolving stakeholder needs and ensure that the PLUTO database remains a reliable, comprehensive, and user-friendly resource for plant variety protection (PVP) authorities, contributors, and *Premium* users. The Program is anchored by five strategic objectives that drive its vision and guide its implementation:

- (a) increase completeness, quality, and timeliness of data,
- (b) simplify and easing the data contribution process,
- (c) enhancing search and denomination workflows,
- (d) strengthen the value proposition of *Premium* services, and
- (e) build a sustainable service model for ongoing maintenance and innovation.

2. To reach those strategic objectives, five workstreams have been identified, ensuring focused actions and measurable outcomes.

WORKSTREAM 1 — DATA CONTRIBUTION IMPROVEMENT

3. The current contribution landscape was described as uneven, with regular contributors, occasional or delayed contributors, and non-contributing UPOV members, resulting in variations in completeness, timeliness and coverage.

4. Classifying contributors according to these three segments will facilitate the alignment of training requirements and definition of targets based on the frequency of UPOV members' publications.

Planned improvements

5. To improve the process of data contribution, several key enhancements are planned:

Target Key Performance Indicator (KPI)	Planned improvements
Data coverage Number of UPOV members contributing to PLUTO database	- Contributor onboarding and guidance will be strengthened to ensure new and existing members understand how to contribute data effectively - Tailored guidance will be provided based on the specific requirements of each authority, making the contribution process more relevant and accessible
Data timeliness Percentage of PVP applications included in PLUTO database within one year	- Submission protocols will be enhanced with improved validation steps prior to sending data, reducing errors at the source - A review deck will be implemented to facilitate error correction, allowing contributors to address issues before finalizing their submissions
Submission frequency Number of regular contributors	- Progressive automation, including API-based contributions, will streamline the process and encourage more efficient data contribution - A contribution monitoring dashboard will be developed to provide real-time oversight of submission activities, enabling both contributors and UPOV Office to track progress and identify areas for improvement

WORKSTREAM 2 — DATA QUALITY

6. The Program should focus on improving accuracy, consistency, completeness and timeliness of PLUTO datasets.

Planned improvements

7. To enhance data quality and governance within the PLUTO database, several improvements are planned:

Target Key Performance Indicator (KPI)	Planned improvements
Data quality Number of validation issues per submission	- A comprehensive catalogue of data-quality checks, known as the PLUTO Validation Criteria Reference, to be established to standardize and clarify validation processes - A data quality dashboard for the UPOV Office to be developed to give management a clear and up-to-date overview of dataset integrity, helping track progress and identify areas requiring attention
Contributor experience Average time needed to correct rejected records per type of issue (e.g. UPOV Code, others)	Contributors to benefit from tailored feedback reports, providing them with actionable insights to address data issues and improve submissions

WORKSTREAM 3 — SEARCH AND DENOMINATION WORKFLOW

8. The PLUTO User Survey 2026 identifies four main user-requested themes: a simpler and more intuitive interface, more flexible denomination searching, better filtering and results display, and additional search options.

9. Users also asked for search by denomination without requiring species or UPOV Codes, simpler denomination analysis workflows, easier comparison of records, improved readability of search results, more powerful filtering options, search by application number and breeder-focused searches.

Planned improvements

10. To address the needs highlighted by the PLUTO User Survey 2026 and enhance the search and denomination workflow, several major improvements are planned:

Target Key Performance Indicator (KPI)	Planned improvements
Search usability User satisfaction with search experience	- The search page to be simplified to offer users a more intuitive starting point, making it easier to navigate and begin queries - Advanced filters and combined criteria to be introduced, empowering users to refine their results with greater precision and tailor their search according to multiple parameters - A modern refresh of the platform's user experience and accessibility to ensure that the interface not only looks contemporary but is also easy to use for everyone, making the PLUTO database more inclusive and efficient for its diverse user base
Denomination workflow Satisfaction with denomination search/reporting	- Denomination searches to become more flexible, allowing users to explore options without being restricted by species or UPOV Codes, thus streamlining the process and expanding search possibilities - The display of results and comparison features to be improved, enabling easier evaluation of entries and facilitating side-by-side analysis for better decision-making

WORKSTREAM 4 — PREMIUM SERVICE FUNCTIONALITIES

11. The PLUTO User Survey 2026 reports that PLUTO *Premium* received an average satisfaction score of **75.4%**, making it one of the highest-rated areas of the survey.

12. The priority is to improve the value proposition of PLUTO *Premium* by enhancing download/export capabilities and introducing richer data exploration functions, including interactive filtering, aggregation and visualizations.

Planned improvements

13. Several improvements are planned to further elevate the PLUTO *Premium* service experience for users.

Target Key Performance Indicator (KPI)	Planned improvements
<i>Premium</i> satisfaction score	- To introduce a modernized download and export experience, making it easier and more efficient for users to access and manage the datasets they need - An interactive analytics dashboard to empower users with dynamic tools to interpret and visualize data, fostering deeper insights and more informed decision-making - To streamline workflows, bulk denomination screening capabilities to be implemented, enabling users to efficiently review and assess multiple entries at once
Number of <i>Premium</i> subscriptions	New features such as saved searches and alerts to allow users to conveniently revisit their queries and receive timely notifications, ensuring they stay updated on relevant developments

14. Together, these *Premium* enhancements are designed to provide a more intuitive, powerful, and user-centric environment, reinforcing PLUTO's commitment to innovation and excellence.

WORKSTREAM 5 — OPERATING MODEL AND ROADMAP GOVERNANCE

15. To effectively track the progress of program implementation, the table below outlines, for each workstream, the key performance indicators (baseline and target), roadmap, and required resources under two scenarios —depending on the availability of additional income sources— for enhancing data contributions, user experience, and *Premium* service.

SESSIONS/2026/5
Annex II, page 4

Workstream	Purpose	Main outcomes	Key Performance Indicators (KPIs)	Baseline / Target	Resources
1. Data contribution improvement	Improve submission frequency, coverage and contributor autonomy	Easier contribution, better validation, clearer guidance, increased data timeliness	Data coverage: number of UPOV members contributing to PLUTO Data timeliness: Percentage of PVP applications included in PLUTO within one year Submission frequency: Number of regular contributors	2025: 69 2027:80 2025: 40% 2027: 60% 2025: to be assessed 2027: 50% increase	Q1-Q3 2027 Internal: 1.25 FTE ⁸ Outsourcing: Development: 5,000 CHF
2. Data quality	Improve trust in PLUTO data	Clear validation rules, quality dashboards, contributor feedback loops	Data quality: Number of validation issues per submission Contributor experience: Average time needed to correct rejected records per type of issue (UPOV Code, other)	2025: to be assessed 2028: 50% decrease 2025: to be assessed 2028: 50% decrease	Q4 2027 Internal: 1.25 FTE Outsourcing: User experience: 5,000 CHF Q1 2028-Q2 2028 Development: 10,000 CHF
3. Search and denomination workflow	Improve user experience and search effectiveness	More intuitive UX, improved denomination search, better filters and results	Search usability: User satisfaction with search experience Denomination workflow: Satisfaction with denomination search/reporting	2026: 66.2% 2028: 90% 2026: 74.6% 2028: 90%	Q3-Q4 2028 Internal: 1.25 FTE Outsourcing: Development: 15,000 CHF User experience: 5,000 CHF
4. <i>Premium</i> service enhancement	Increase value for paying users and eligible officials	Download/export improvements, analytics, saved searches, dashboards	<i>Premium</i> satisfaction score Number of <i>Premium</i> subscriptions	2026: 75.4% 2028: 90% 2025: 24 2028: 50	Internal: 1.25 FTE Outsourcing: 0 <i>Unless extra budgetary funds are available, this part "Premium service enhancement" will be postponed to 2030-2031 biennium</i> Development: 20,000 CHF User experience: 10,000 CHF Reporting tools: 60,000 CHF
5. Operating model and roadmap governance	Ensure delivery discipline and alignment with CAJ/TC planning	Prioritized roadmap, phased delivery, measurable KPIs	Monitor the progress using the above Key Performance Indicators		Internal: 0.2 FTE

[End of Annex II and of document]

⁸ Full time equivalent.