

Agenda

National Accounts and NADABAS Training Programme Eritrea National Statistics Office (NSO), Asmara GDP Compilation by Production Approach (2008 SNA) and NADABAS Deployment

Two-week programme | 19–30 January 2026

Objective:

Strengthen NSO staff capacity to compile GDP using the production approach in line with the 2008 SNA, including valuation principles, industry-specific measurement issues and constant-price methods; and introduce NADABAS to support a modern, harmonised and sustainable database-driven workflow for National Accounts compilation.

Week 1 – National Accounts (GDP compilation by production approach)

Day 1 – Foundations of the 2008 SNA and GDP

Time	Session
09:00–09:30	Opening session: introductions, objectives, expectations and pre-assessment
09:30–10:45	Overview of the System of National Accounts (SNA) and coordination with related macroeconomic statistics (BPM6, GFSM, MFSM, CPI/PPI)
10:45–11:00	Coffee/tea break
11:00–12:30	Core concepts: economic stocks and flows; transactions vs other flows; accrual recording; double-entry and quadruple-entry accounting
12:30–13:30	Lunch
13:30–15:00	Production and the production boundary (market output, own-account goods, owner-occupied housing, non-market services)
15:00–15:15	Coffee/tea break

15:15–16:30	Practical discussion: Eritrea’s production boundary issues (subsistence, informal activities, government services) and data sources
16:30–17:00	Daily recap and quiz

Day 2 – GDP by Production Approach: Primary and Secondary Sectors

Time	Session
09:00–09:15	Recap of Day 1
09:15–10:45	Production account identity and valuation: Output at basic prices, IC at purchasers’ prices; GVA and GDP at market prices
10:45–11:00	Coffee/tea break
11:00–12:30	Primary sector measurement: agriculture (crops, livestock), fishing, mining & quarrying – output and IC items; inventory change
12:30–13:30	Lunch
13:30–15:00	Secondary sector measurement: manufacturing, construction, utilities – output and IC items; treatment of own-account construction
15:00–15:15	Coffee/tea break
15:15–16:45	Hands-on exercises (primary and secondary sectors): compute output, IC and GVA; discuss data sources and plausibility checks
16:45–17:00	Daily recap

Day 3 – Services Industries and Assembling GDP at Current Prices (Σ GVA)

Time	Session
09:00–09:15	Recap of Day 2
09:15–10:45	Compilation workflow for services industries: classify (ISIC), estimate output and IC, compute GVA, apply plausibility checks
10:45–11:00	Coffee/tea break
11:00–12:30	Industry-specific measurement: wholesale/retail trade (margins), transport, accommodation & food, ICT, professional and administrative services
12:30–13:30	Lunch
13:30–15:00	Industry-specific measurement: financial services (FISIM), insurance services charge, real estate (actual and imputed rents), non-market output (government, education, health)
15:00–15:15	Coffee/tea break
15:15–16:45	Practical group work using the compilation workbook: compute GVA by industry and assemble a sample GDP estimate at current prices (Σ GVA + taxes less subsidies on products)
16:45–17:00	Daily recap

Day 4 – Constant Price Measurement (Volume GDP/GVA)

Time	Session
09:00–09:15	Recap of Day 3
09:15–10:45	Why constant prices: separating price and volume changes; deflation, extrapolation and chain-linking (overview)
10:45–11:00	Coffee/tea break
11:00–12:30	Single vs double deflation; practical decision rules; quality checks (implicit deflators, plausibility, supply–use consistency)
12:30–13:30	Lunch

13:30–15:00	Sector guidance for constant prices: primary (quantities and commodity prices), secondary (PPI, construction cost proxies), services (CPI mapping and volume indicators)
15:00–15:15	<i>Coffee/tea break</i>
15:15–16:45	Practical session: selecting deflators/proxies for Eritrea’s industries; documenting methods and limitations
16:45–17:00	Daily recap

Day 5 – ISIC Rev.4 Industry Classification and Implementation Plan

Time	Session
09:00–09:15	Recap of Day 4
09:15–10:45	ISIC Rev.4 concepts: economic activity, statistical units (enterprise, establishment/LKAU), principal vs secondary vs ancillary activities
10:45–11:00	<i>Coffee/tea break</i>
11:00–12:30	Determining principal activity: top-down method, proxies for value added, and stability rule; common classification pitfalls (manufacturing vs trade, outsourcing)
12:30–13:30	<i>Lunch</i>
13:30–15:00	Linking ISIC to GDP compilation: mapping industries to data sources and ensuring consistent GDP-by-industry time series
15:00–15:15	<i>Coffee/tea break</i>
15:15–16:45	Wrap-up group exercise: draft a ‘production approach summary’ for Eritrea (GVA by industry, key data sources, and priority improvements)

Week 2 – NADABAS training and deployment

Day 6 – NADABAS: Getting started and installation

Time	Session
09:00–10:45	NADABAS overview and demonstration
10:45–11:00	<i>Coffee break</i>
11:00–12:00	Getting started with NADABAS: access to training materials, videos and tutorial; installation and set-up of working folders
12:00–13:00	<i>Lunch break</i>
13:00–14:45	Training session 1: start using NADABAS (create MS Access databases; load classifications; save documentation; workbook “Prices”)
14:45–15:00	<i>Coffee break</i>
15:00–16:15	Training session 1 continues: workbook “Prices” (hands-on exercises)
16:15–16:45	Daily review and adjustments for next day

Day 7 – NADABAS: Uploading data and creating DBLinks

Time	Session
09:00–09:30	Country presentation: Eritrea NSO – national accounts compilation context and expectations for NADABAS use
09:30–10:45	Recap Day 6; Training session 2: Uploading Data folder (KeyFamilies and DBLinks – part 1)
10:45–11:00	<i>Coffee break</i>
11:00–12:00	Training session 2 continues: DBLinks (part 2) and validation checks
12:00–13:00	<i>Lunch break</i>
13:00–14:45	Training session 2 continues: workbook “ForTrade”

14:45–15:00	Coffee break
15:00–16:15	Training session 2 continues: TaxIncome and TaxVAT modules (uploading and linking)
16:15–16:45	Daily review and adjustments for next day

Day 8 – NADABAS: Uploading industries datasets

Time	Session
09:00–09:15	Recap Day 7
09:15–10:45	Training session 3: Uploading Industries folder – part 1 (Industry C and A; DBLinks; copying DBLinks where needed)
10:45–11:00	Coffee break
11:00–12:00	Training session 3 continues: uploading/validation and troubleshooting
12:00–13:30	Lunch break
13:30–14:45	Training session 3 continues: workbook “Industries” (guided tasks; working alone)
14:45–15:00	Coffee break
15:00–16:15	Training session 3 continues: review of results and troubleshooting
16:15–16:30	Daily wrap-up

Day 9 – NADABAS: Compiling GDP and quarterly benchmarking

Time	Session
09:00–09:15	Recap Day 8
09:15–10:30	Training session 4: Compiling GDP by production approach in NADABAS (using datasets from sessions 1–3)
10:30–10:45	Coffee break

10:45–12:00	Training session 5: Quarterly GDP and benchmarking concepts (overview of tools and workflow)
12:00–13:00	Lunch break
13:00–14:45	Training session 6: Advanced features and useful tips (correspondences for aggregation; practical tips)
14:45–15:00	Coffee break
15:00–16:15	Training session 6 continues: handling errors and troubleshooting
16:15–16:45	Daily review and adjustments for next day

Day 10 – NADABAS: Advanced features, wrap-up and way forward

Time	Session
09:00–09:15	Recap Day 9
09:15–10:45	Training session 7: Expenditure approach workflow in NADABAS (intro and practical exercise)
10:45–11:00	Coffee break
11:00–12:00	Training session 7 continues: uploading data and compiling aggregates (guided exercise)
12:00–13:00	Lunch break
13:00–14:30	Summary and feedback: participation in NADABAS network; feedback on training materials; additional training needs
14:30–14:45	Coffee break
14:45–15:30	Conclusion and way forward: summary, evaluation and next steps for institutionalisation
15:30–16:00	Optional technical clinic / one-to-one troubleshooting (as needed)