



Economic and Financial Analyses in SDC

Webinar on EFA for IED NPOs in the Western Balkan, 3 March 2022

With contributions of: Andrea Inglin, Berat Thaqi (both SDC) and Roman Troxler (KEK – CDC Zurich)



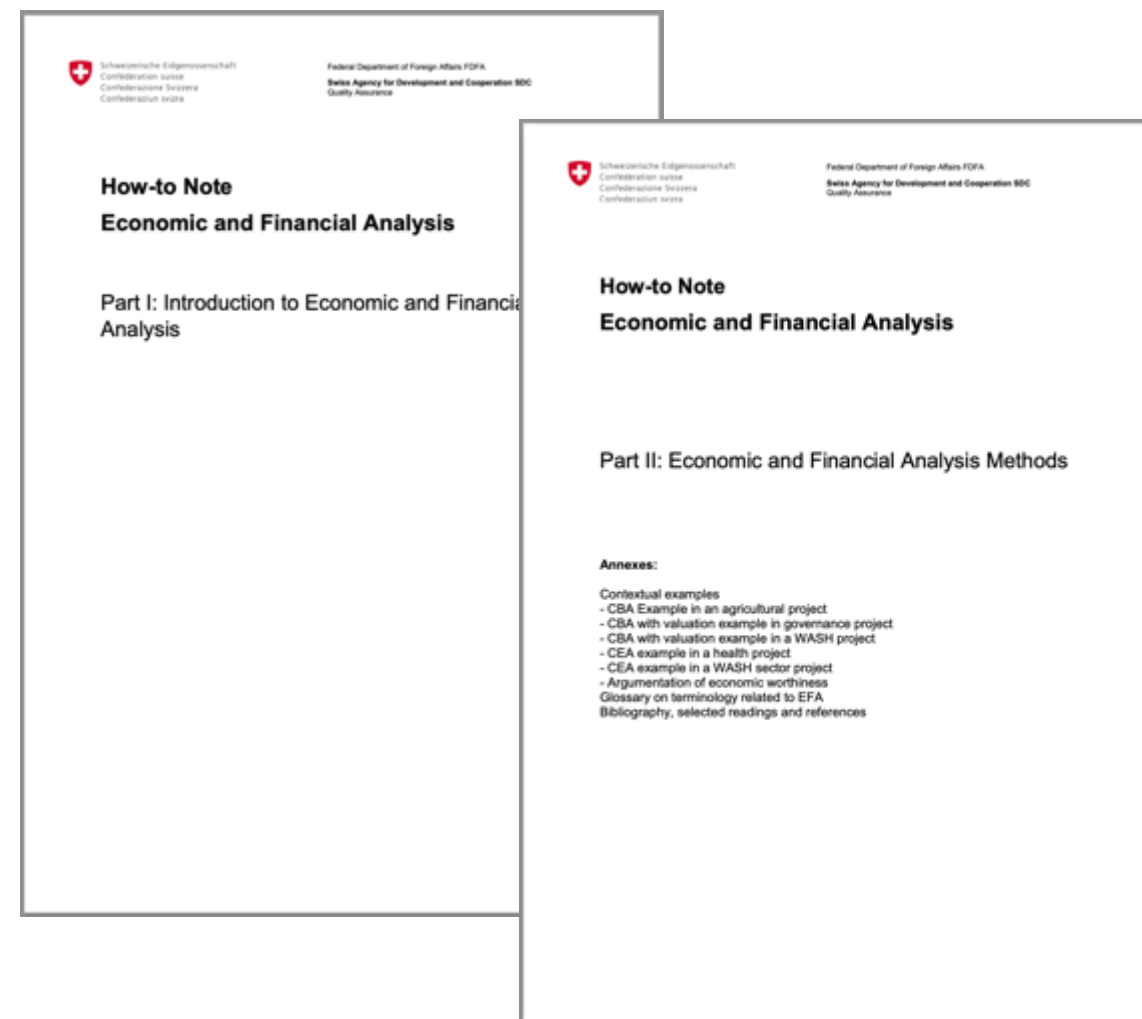
**About the new «how to note»
(H2N)**



The new H2N is comprised of two parts :

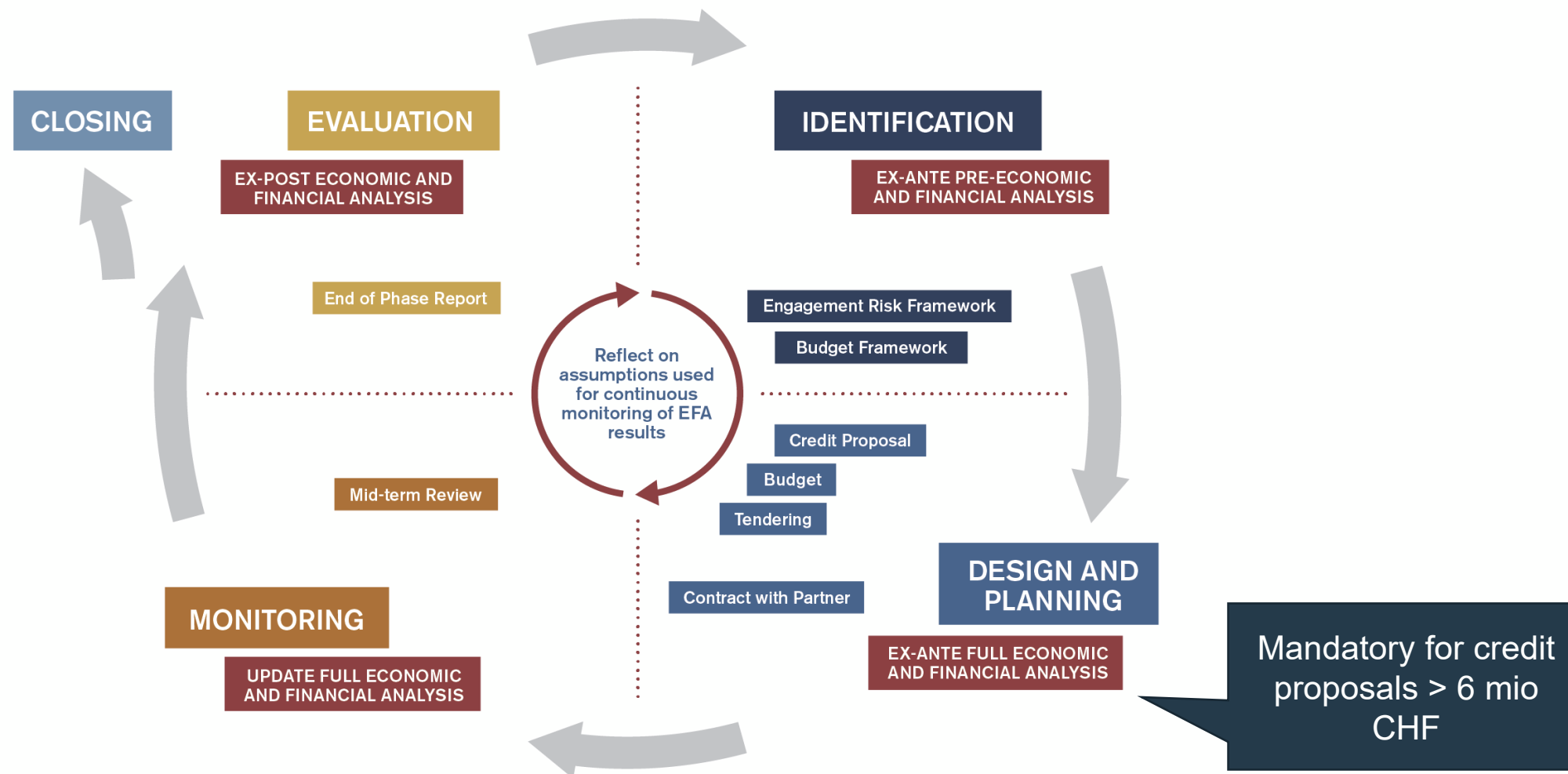
- Part I provides a **basic understanding** of Economic and Financial Analysis (“EFA”) for all SDC staff.
- Part II provides **practical guidance** for SDC staff who mandate an EFA.

Motivation: Less technical details, provide the information really needed by the different segments of SDC staff...



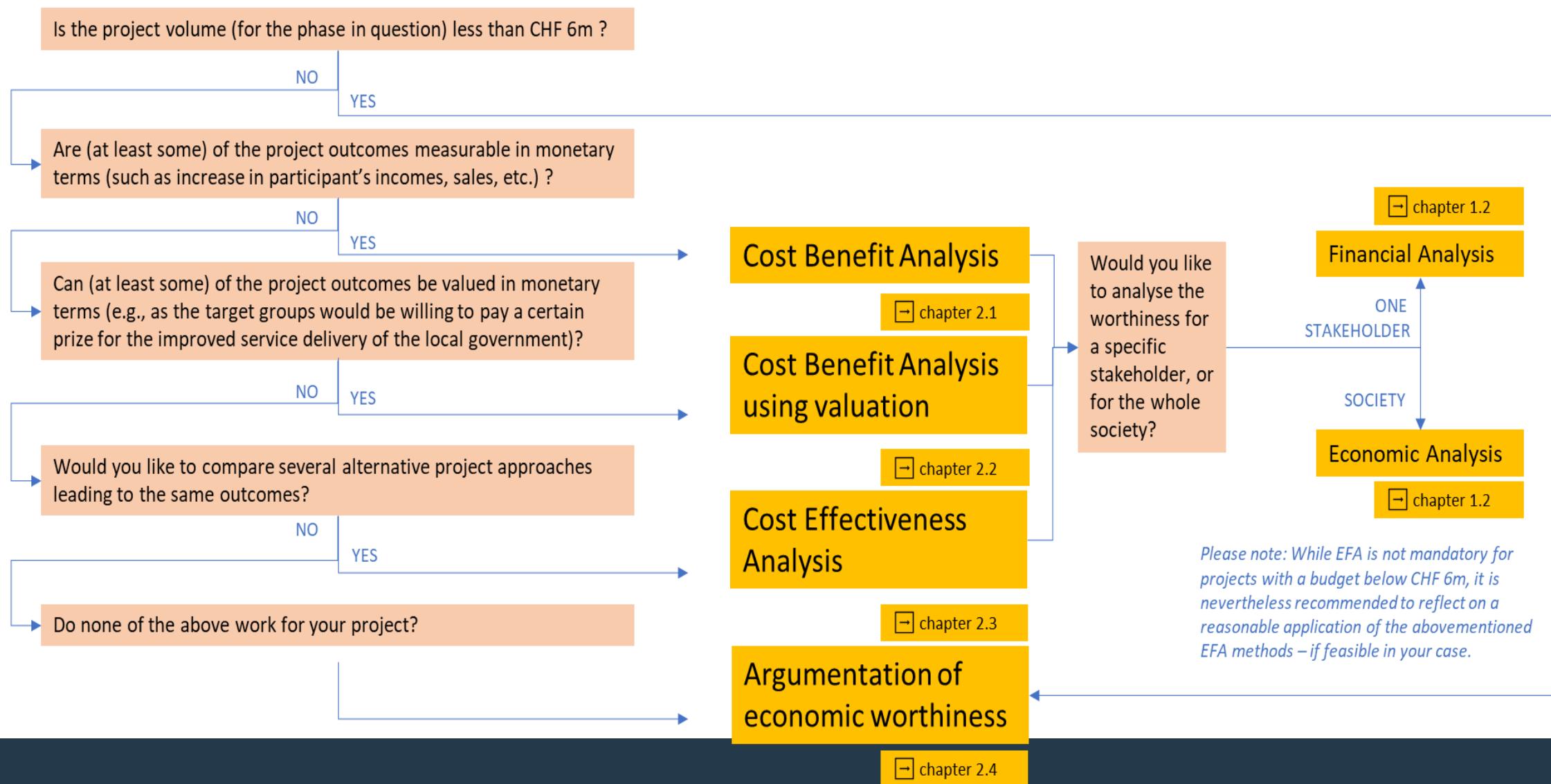


EFA as a continuous process





There are different EFA tools at your disposal (1/2)





There are different EFA tools at your disposal... and a mixed methods approach is possible too (2/2)

- CBA is applied when a clear attribution of costs and monetised benefits can be established (for example, when X number of people improve their incomes by Y CHF).
- CBA with valuation is applied when benefits are not clearly tangible but can be valued in monetary terms.
- Cost-Effectiveness Analysis (CEA) is used to compare alternative project approaches toward a goal or objective that has been decided but is difficult to estimate in monetary terms.
- Argumentation of economic worthiness: for projects that are mainly active in the areas where it might be virtually impossible to isolate and quantify the attributable benefits. In this case, estimates of benefits should be assessed with a mix of quantitative and qualitative elements and logical connections through narratives.



Options to carry out (mandate) an EFA

The SDC can mandate an EFA to any competent institution or person, including:

- the project implementing agency itself
- consultant(s) from a local institution
- consultant(s) from an institution that is internationally active
- consultant(s) from one of the three consortia selected by the SDC, based on the tender offer and working under a frame contact for EFA:
 - Helvetas (incl. KEK-CDC as sub-contractor)
 - IKAT-HAFL
 - Vivid Economics



Any questions at this moment?



**Project example:
Promoting Private Sector
Employment (PPSE) in Kosovo**

PPSE CBA

- PPSE an MSD program
- Ex-ante financial analysis
- Steps for calculation of the PPSE Benefit- Cost Ratio
 - i. Time length six years (4 years of implementation and 2 years of attributing impact)
 - ii. Define Total additional costs
 - iii. Define Total additional benefits
 - iv. Net Additional Cash flow
 - v. Decide on a discount rate (an internal assessment based on average cost of capital in Kosovo)
 - vi. Calculate NPV (excel formula)
 - vii. Calculate BCR (excel formula)

Total additional cost

Total additional cost = **Project cost** + **third party cost** (private and public) + **opportunity cost of individuals**

- **Project cost** derived from the budget (Total part 1+4)
- **Third party cost** =(working days X wage) x 12 months
 - Third party public (ministries and agencies) and private (sector associations and SMEs)
- **Opportunity cost of individuals**
 - additional **3,600** men and women benefit from seasonal, part-time or full-time employment - derives from the log frame;
 - 20% had previous income (assumption)
 - (20% x **3,600**) x Lost income (200 EUR)

Total additional benefits

- Total additional benefits= income increase for individuals + SMEs
- Income increase for individuals= No. of FTEs(1,130) x PPSE attributable income (280 EUR) x two years
 - No of FTEs derive from the logframe
- Income increase for SMEs= number of SMEs benefiting with net additional profit (160) x 10% yearly income increase x 3 years
- Time dimension - two and three years

Interpretations

- ***The Benefit-Cost Ratio of PPSE*** shows a value of 1.98. This means per each CHF invested, the project returns 1.98 CHF;
- *The project generates a net present value of CHF 5Mil by 2027, and from 2023 onwards, generates more benefits than it costs;*
- *The sensitivity analysis of the key assumptions shows that the project is highly positive. The key indicators turn unfavourable if the project fails to achieve more than 50% of its impact benefits. However, if the project reaches 52% of the impact targets (income increase), even at a high discount rate of 9%, the key metrics remain positive;*

Supporting tools for e+i topics (VSD)



e+i shareweb > explore > CBA > scroll down to «working aids»

The screenshot shows the e+i shareweb website. The browser address bar displays 'shareweb.ch'. The website header includes navigation links: SDC shareweb, SDC projects, SDC jobs, SECO sharepoint, STB dropbox, simap, SDC mandates, bund, republik, süddeutsche, rfi, wordle. Below the header is a 'FOLLOW' button and a 'Login' link. The main content area features a navigation bar with tabs: Home, Connect, Explore, Private Sector, Financial Sector, Vocational Skills, Search, and Projects. The 'Explore' tab is active, and a dropdown menu is open, listing various topics. The 'CBA' option is highlighted in the dropdown menu. The background image shows a person sitting on a wooden pier by the water, with the text 'g Visions work.' overlaid. On the right side, there is a 'Latest Newsletter' section listing several newsletters from 2021 and 2020. Below that is a 'Contact Information' section with the email 'ied@eda.admin.ch' and the Swiss Agency for Development and Cooperation SDC logo. At the bottom, there is a 'What's New' section with a list of recent events and a 'Send an Email' button. The footer contains links to 'Go to overview of IED Topics ...' and 'Go to IED Field Handbook'.

Shareweb
e+i Employment & Income

Home Connect Explore Private Sector Financial Sector Vocational Skills Search Projects

IED Network

- Events & Trainings
- News & Newsletter
- IED Topics - Overview
- IED Field Handbook
- Result Measurement - ARI&TRI
- CBA**
- Systemic Approach
- IED in fragile contexts
- Private Sector Engagement PSE
- Gender
- Good Governance
- Covid-19 IED

g Visions work.

You plan to accelerate your Inclusive Economic Development programmes?
Looking for support? Let's get started! [Send an Email](#)

Women's Economic Empowerment
GOVERNANCE
CBA Migration
Market System Approach

Decent Work
Digitalisation and Learning
Systemic approaches
Future of Work
Local Economy
Dual VET and engagement with the private sector

Go to overview of IED Topics ...

Looking for Key docs?
Go to IED Field Handbook

Latest Newsletter

- 2021-12 eiNewsletter
- 2021-09 eiNewsletter
- 2021-06 eiNewsletter
- 2021-03 eiNewsletter
- 2020-12 eiNewsletter

Contact Information

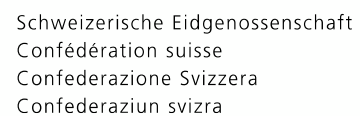
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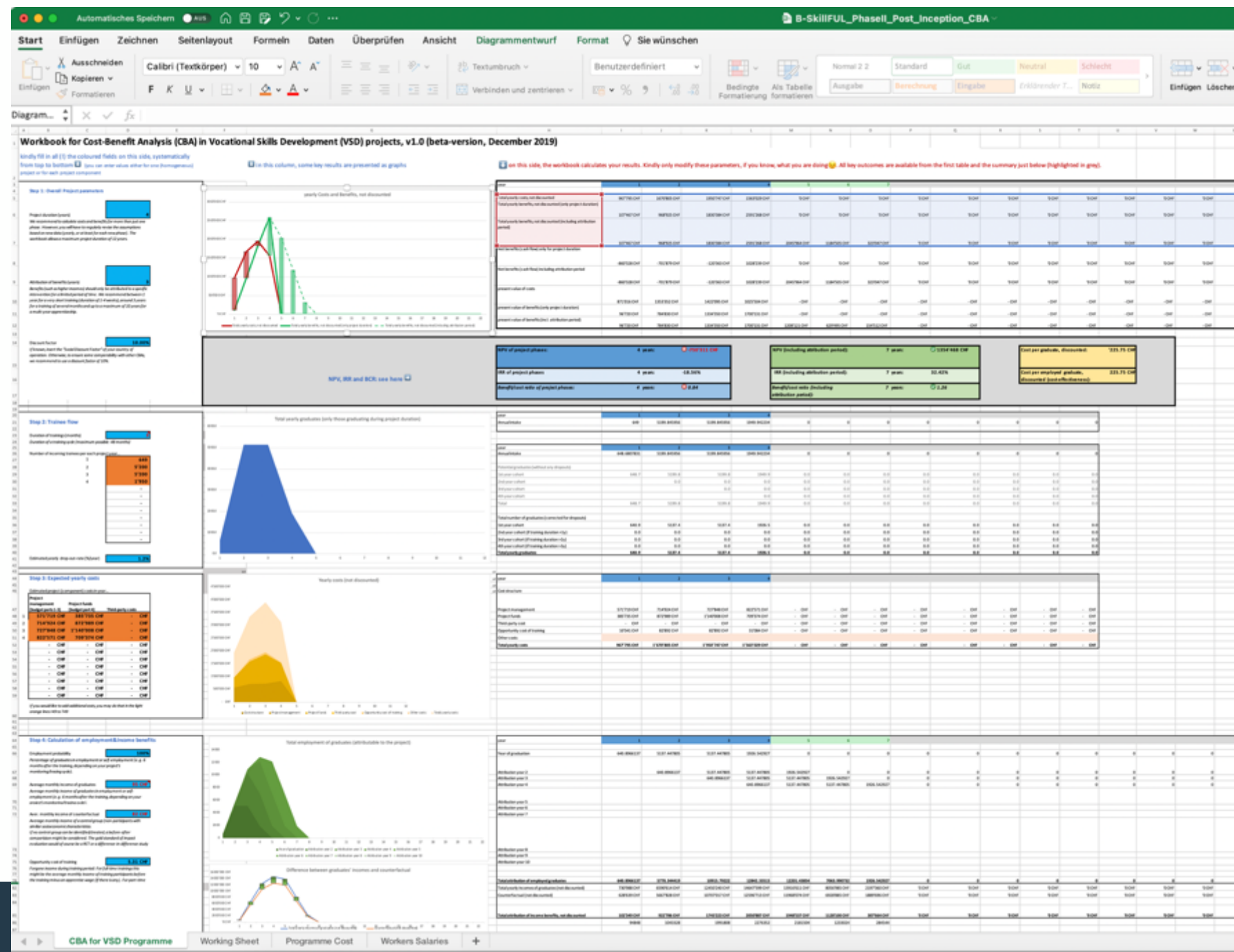
Swiss Agency for Development and Cooperation SDC

What's New

- 11 Feb 2022 Caritas Job Opening - Wissensmanager/in & Berater/in Einkommen (100 %)
- 09 Feb 2022 Webinar - Practical Insights on Doing Local Economic Development (LED) on 14 February 2022 at 9:30 to 11:30 (CET)
- 25 Jan 2022 Invitation 3 February 2022 at 10:00 to 12:30 (CET): Swiss launch of the global monitoring report on education "Non-state actors in education: Who chooses? Who loses?"
- 20 Jan 2022 Webinar - Presentation of findings: External Review of SDC's Strategy on Education & VSD



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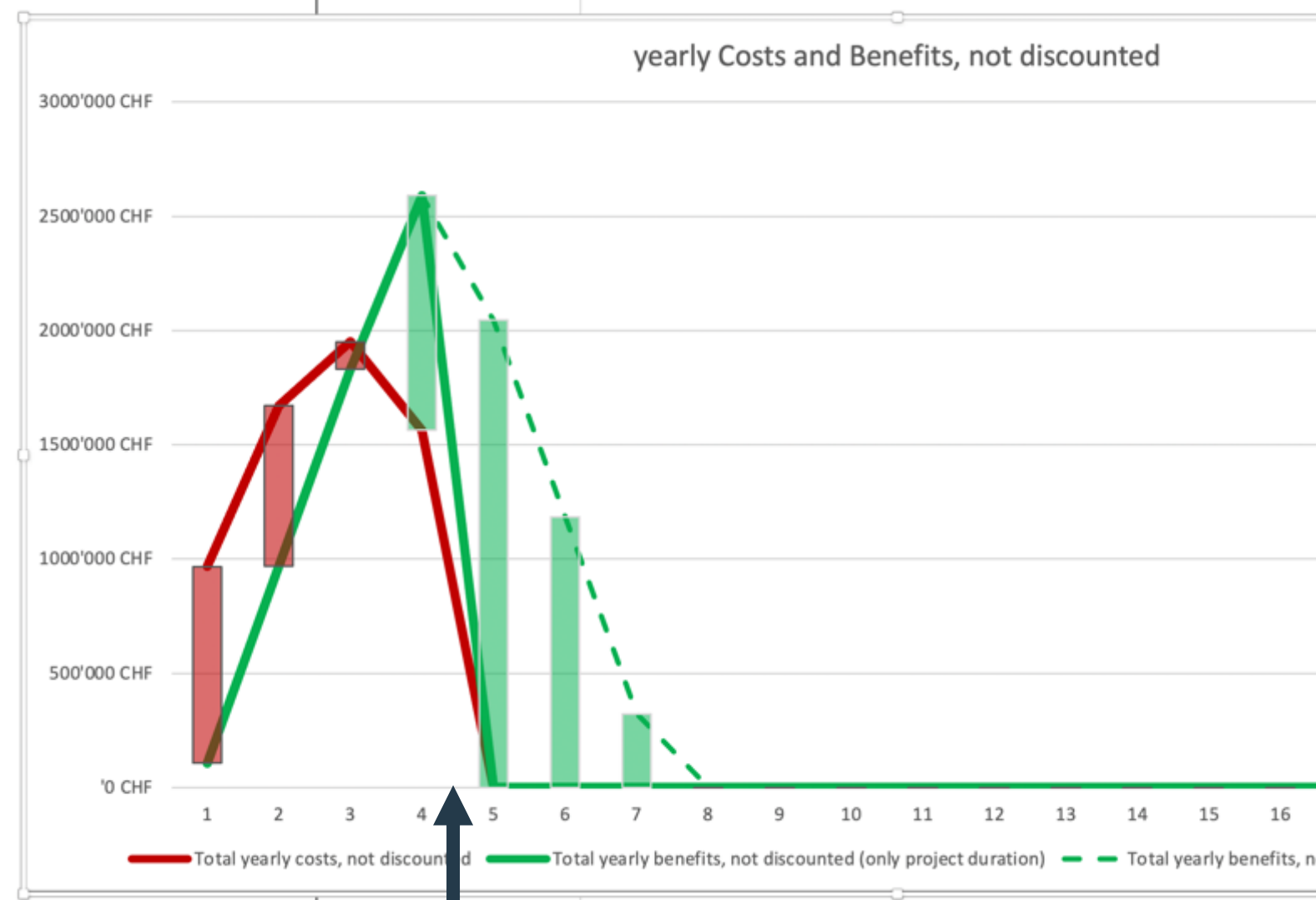
Step 1: Overall Project parameters

Project duration (years)

We recommend to calculate costs and benefits for more than just one phase. However, you will have to regularly revise the assumptions based on new data (yearly, or at least for each new phase). The workbook allows a maximum project duration of 12 years.

Attribution of benefits (years)

Benefits (such as higher incomes) should only be attributed to a specific intervention for a limited period of time. We recommend between 1 year for a very short training (duration of 1-4 weeks), around 3 years for a training of several months and up to a maximum of 10 years for a multi-year apprenticeship.



End of project phase



NPV of project phases:	4 years:	✗ -750'311 CHF
IRR of project phases	4 years:	-18.56%
<i>Benefit/cost ratio of project phases:</i>	<i>4 years:</i>	✗ 0.84

NPV (including attribution period):	7 years:	✓ 1354'468 CHF
IRR (including attribution period):	7 years:	32.42%
<i>Benefit/cost ratio (including attribution period):</i>	<i>7 years:</i>	✓ 1.26

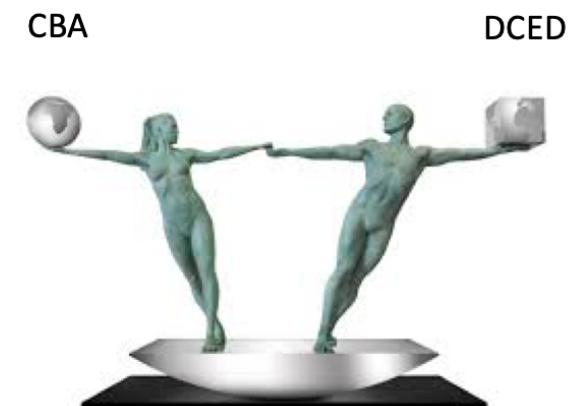


Cost Benefit Analyses (CBA) & The DCED Standard for Results Measurement

This document aims to clarify what the CBA tool and DCED framework for RM have in common, what the differences are and how programs benefit from both the CBA tool and DCED RM framework to improve program design and performance.

This document is written for SDC program managers and managers from implementing organizations. For those wishing to read more on the CBA tool or the DCED framework reference is made to other publications.

8th August 2019



In the remainder of this document we simply use the abbreviations CBA and DCED when referring to SDC's ex-ante financial and economic evaluation tool, including cost-benefit and cost-effectiveness analyses, and when referring to the results measurement framework of the DCED Standard for Results Measurement.



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Thank you!



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Document details

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