Modules – Viewers can self select and access modules nonlinearly based on where each user is in the SBTi journey



Stage	Module
Commit	1 Case for change
	2 Voluntary finance climate action ecosystem
Develop	3 Developing SBTs: Overview
	4 Developing SBTs: Scope 1, scope 2, and scope 3 operational emissions
	5 Developing SBTs: Scope 3 financed emissions – Overview
	6 Developing SBTs: Scope 3 financed emissions – Calculation deep dive and case studies
	7 Developing SBTs: Scope 3 financed emissions – Data considerations and trade-offs
Submit, Communicate,	8 Validating, disclosing, and recalculating
Disclose	9 Governance, change management, and meeting targets

Resources (1/2)



Module	Key resources
Module 1: Case for change	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022) GFANZ net-zero Financing Roadmaps (Nov 2021) Bain & Company Brief – Banks' Great Carbon Challenge (Jun 2022) Official Journal of the European Union - Establishing the Framework for Achieving climate neutrality and amending Regulations (Jul 2021)
Module 2: Voluntary finance climate action ecosystem	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) SBTi Business Ambition for 1.5C (Nov 2021) SBTi 2021 Progress Report
Module 3: Developing SBTs: Overview	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022) UN Global Compact Academy Setting Science-Based Targets E-Learning UN Global Compact Academy Net-Zero Standard E-Learning
Module 4: Developing SBTs: Scope 1, scope 2, and Scope 3 operational emissions	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) SBTi Target Setting Tool 2.0 (Dec 2021) GHG Protocol Corporate Accounting and Reporting Standard (Revised) GHG Protocol Scope 2 Guidance (Sep 2015) GHG Technical Guidance for Calculating Scope 3 Emissions 1.0 (2013)
Module 5: Developing SBTs: Scope 3 financed emissions – Overview	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) GHG Technical Guidance for Calculating Scope 3 Emissions 1.0 (2013) PCAF The Global GHG Accounting and Reporting Standard for the Financial Industry 1.0 (Nov 2020)

Resources (2/2)



Module	Key resources
Module 6: Developing SBTs: Scope 3 financed emissions – Calculation deep dive and case studies	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022) PCAF The Global GHG Accounting and Reporting Standard for the Financial Industry 1.0 (Nov 2020) CDP & WWF Temperature Rating Methodology (Oct 2020) Bain & Company Brief – Banks' Great Carbon Challenge (Jun 2022)
Module 7: Developing SBTs: Scope 3 financed emissions – Data considerations and trade-offs	 SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022) PCAF The Global GHG Accounting and Reporting Standard for the Financial Industry 1.0 (Nov 2020) Bain & Company Brief – Banks' Great Carbon Challenge (Jun 2022)
Module 8: Validating, disclosing, and recalculating	 SBTi Target Submission Form for Financial Institutions SBTi Booking System SBTi Financial Sector Science-Based Targets Guidance (Feb 2022) GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022) PCAF The Global GHG Accounting and Reporting Standard for the Financial Industry 1.0 (Nov 2020) GHG Protocol Scope 3 Accounting Standards (Apr 2013)
Module 9: Governance, change management, and meeting targets	 GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022) SBTi Financial Sector Science-Based Targets Guidance (Feb 2022)





Module #5: Scope 3 financed emissions – Overview

SBTi financial institution training

THIS TRAINING WAS DEVELOPED IN COLLABORATION WITH



PARTNER ORGANIZATIONS

IN COLLABORATION WITH











Modules



Stage		Module
Commit	1	Case for change
	2	Voluntary finance climate action ecosystem
Develop	3	Developing SBTs: Overview
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Submit,	8	Validating, disclosing, and recalculating
Communicate, Disclose	9	Governance, change management, and meeting targets

Key learning objectives



Commit

Develop

Submit

Communicate

Disclose

After completing this module, individuals will be able to...

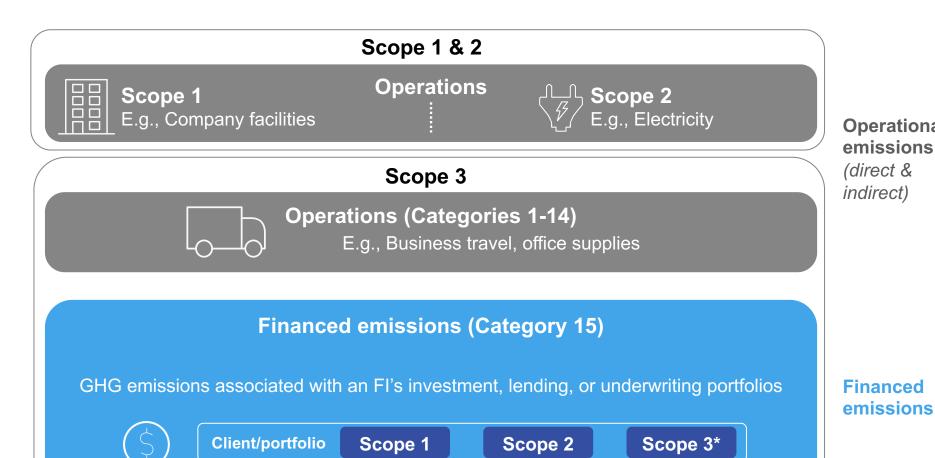
Name required coverage for financed emissions

Select the appropriate method for calculating targets

Determine how to address fossil fuels and thermal coal

Module





Operational emissions (direct &

Module #4: Scope 1, scope

2, and scope 3 operational

emissions

This module

Module #5: Scope 3 financed emissions - Overview

Module #6: Scope 3 financed emissions - Calculation deep dive and case studies

Module #7: Scope 3 financed emissions - Data considerations & trade-offs

Note: *GHGP names that scope 3 financed emissions should be included if they are significant. Temperature Rating Approach requires submission of scope 1+2+3 target. Sources: GFANZ Financial Institution Net-zero Transition Plans (Jun 2022, pg. 13, Fig. 3); GHGP Corporate Value Chain (Scope 3) Accounting and Reporting Standard (Apr 2013, pgs. 52-54, Table 5.9 and Table 5.10); SBTi Financial Sector Science-Based Targets Guidance (Feb 2022, pgs. 86-88)

The Greenhouse Gas Protocol defines 15 categories of scope 3 emissions; Category 15 (investments) is most relevant for Fls



Scope 3 – Fin



Defined by the Greenhouse Gas Protocol Corporate Standard



Scope 3 emissions are represented by 15 categories...



Purchased goods & services



Capital goods



Fuel and end-energy related activities



Upstream transportation and distribution



Waste generated in operations



Business travel



Employee commuting



Upstream leased assets



Key challenge of financed emissions

Reliance on



other companies'



ambition



and data

There are three steps for developing a target





Set boundaries

Determine where to start and what to include

Calculate baseline

Know where the organization currently stands



Calculate target

Align on ambition and pathway, set method and timeline for emissions reduction

Degree of effort:

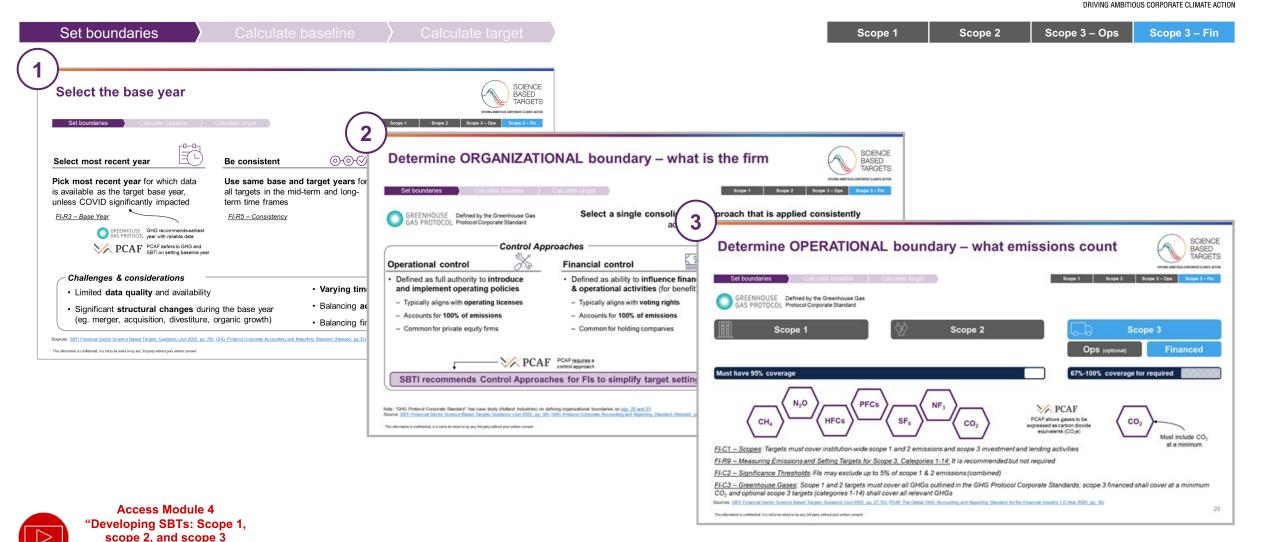


These steps are often the most challenging and time consuming

For scope 3 financed emissions, utilize same base and boundaries

operational emissions" for detail on boundary setting





Determine what ASSET CLASSES must be included



Set boundaries

Calculate baseline

Calculate target

Scope 1

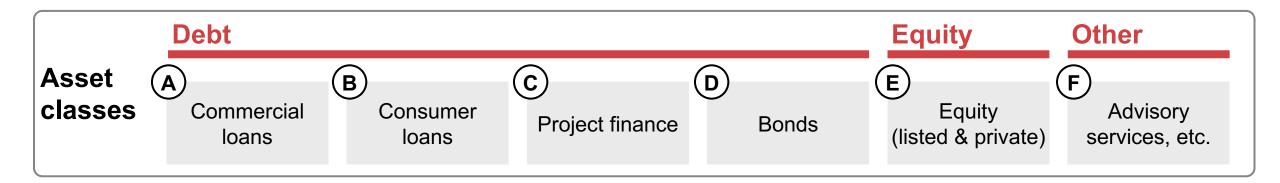
Scope 2

cope 3 – Ops

Scope 3 – Fin



SBTi identifies required asset classes



Guidance will likely evolve

As more data become available, methods become more mature, and financial institutions gain more experience in target setting ... SBTi may revise [asset class guidance].

FI-C15 - Requirement to set targets on investment & lending: All FIs must set targets based on requirement in FI-C16

Each asset class consists of several products with varying coverage requirements



Set boundaries

Calculate baseline

Calculate target

cope 1

Scope 2

Scope 3 – Ops

Scope 3 – Fin

Asset Class		Products ¹	Coverage
$\overline{\bigcirc}$	Commercial	Corporate Loans	
(A)	loans	Power Generation (public or private)	100%
		Real Estate (public or private)	67%
		Fossil Fuels (public or private)	95%
		All other sectors (public debt)	67%²
		All other sectors (private debt)	Optional
		Short-term financing (<1 year, e.g., line of credit, intraday, etc.)	Optional
		SME loans (<500 employees)	Optional
B	Consumer loans	Residential mortgages ³	Optional
(C)	Project finance	Electricity gen. projects (construction, operations) (public or private)	100%
		Commercial real estate projects (public or private)	67%
(D)	Bonds	Corporate bonds (listed)	100%
(E)	Equity	Listed equity (common stock, preferred stock, REITs ³ , ETFs, etc.)	100%
	_ 4,	Private equity ⁴	Optional
		Funds of funds	Optional

Coverage is defined as any of monetary value, EVIC⁵, % of emissions, or SDA metric (e.g., m²)

SBTi recommends at least

- 2 1 target per asset class to promote transparency
- (no matter the relative size, e.g., only 1% of portfolio)
- Must disclose

 what % of their

 portfolio is covered

 by target(s)⁶

<u>FI-C16 – Portfolio target boundaries</u>: FIs shall set targets on all required activities

<u>FI-C18 – Disclosure of target(s) portfolio coverage:</u> FIs shall disclose the % of their total investment and lending covered by portfolio targets

Note: 1) Currently excluded asset classes: derivatives, agency bonds, securitized fixed income, sovereign and governmental bonds, infrastructure project financing, residential vehicular loans, other consumer finance, and advisory services. 2) 67% figure is across all industries, 3) Mortgage REITs shall cover at a minimum of 67 percent of residential mortgages 4) Private equity investments are optional for non-private equity firms. 5) EVIC: Enterprise Value including Cash; 6) % of portfolio covered across sum total of all the FI's financial activity, regardless of mandatory, optional, or not covered – X% of 100% of FI financing is covered by SBT

Sources: SBTi Financial Sector Science-Based Targets Guidance (Feb 2022, pgs. 51-52,55-57)

SBTi requires a more comprehensive coverage of scope 3 financed emissions than GHGP



Calculate baseline Scope 3 – Fin SCIENCE GREENHOUSE PCAF Partnership for Carbon Accounting Financials **BASED** GAS PROTOCOL **TARGETS** DRIVING AMBITIOUS CORPORATE CLIMATE ACTION GHGP - April 2013 PCAF - November 2020 SBTi FI - February 2022 Account – regardless of target Aspire – set ambition and target $A \odot D$ Debt - known use Debt - unknown use **Equity** ABCD **Product-level guidance** Commercial real estate Mortgages Motor vehicle loans Less stringent More stringent

Sources: GHG Technical Guidance for Calculating Scope 3 Emissions (2013, Table 15.1, pgs. 137-138); PCAF The Global GHG Accounting and Reporting Standard for the Financial Industry 1.0 (Nov 2020, Table 5-1, pg. 45, Box 3, pgs. 30-31); SBTi Financial Sector Science-Based Targets Guidance (Feb 2022 Table 5.2, pgs. 55-57)

FIs must understand and apply the three allowable METHODS for financed emissions to calculate baselines and targets



Calculate baseline

Calculate target

Scope 3 – Fin

Note: Methods evolve over time, SBTi is developing meta-criteria to evaluate addt. methodologies to ensure transparency and alignment



Reducing carbon output

Growing engagement

50%

of 1.75°C

SBTi identifies which methods are acceptable per product



Calculate baseline Calculate target Scope 3 – Fin Note: Methods evolve over time, SBTi is developing meta-criteria to evaluate addt. methodologies to ensure transparency and alignment **Asset Class** Products¹ Coverage SDA **PCA** TRA Corporate Loans Commercial Power Generation (public or private) 100% loans 67% Real Estate (public or private) Fossil Fuels (public or private) 95% 67%² All other sectors (public debt) All other sectors (private debt) Optional Short-term financing (<1 year, e.g., line of credit, intraday, etc.) Optional SME loans (<500 employees) Optional **Consumer loans** Residential mortgages⁴ Optional Electricity gen. projects (construction, operations) (public or private) 100% **Project finance** 67% Commercial real estate projects (public or private) **Bonds** 100% Corporate bonds (listed) Listed equity (common stock, preferred stock, REITs⁴, ETFs, etc.) 100% **Equity** Private equity⁵ Optional

<u>FI-C16 – Portfolio target boundaries</u>: FIs shall set targets on all required activities

<u>FI-C18 – Disclosure of target(s) portfolio coverage:</u> FIs shall disclose the % of their total investment and lending covered by portfolio targets

Funds of funds

Note: 1. Currently excluded asset classes: derivatives, agency bonds, securitized fixed income, sovereign and governmental bonds, infrastructure project financing, residential vehicular loans, other consumer finance, and advisory services. 2. 67% figure is across all industries 3. SDA allowable for sectors with sectoral guidance (e.g., cement, etc.) 4. Mortgage REITs shall cover at a minimum of 67% of residential mortgages 5. Private equity investments are optional for non-private equity firms.

Sources: SBTi Financial Sector Science-Based Targets Guidance (Feb 2022, pgs. 51-52, 55-57)

Optional

There are several considerations to choose a method



				DITIVING ANIDITIONS COIL CHARLE ACTION
Set boundaries	Calcu	late baseline Calculate target	Scope 1	Scope 2 Scope 3 – Ops Scope 3 – Fin
	Note: Met	hods evolve over time, SBTi is developing n	neta-criteria to evaluate addt. methodologie	es to ensure transparency and alignment
Access Module 6 "Scope 3 financed emissions –				
Calculation deep dive and case studies" for more detail		Sectoral Decarbonization Approach (SDA)	Portfolio Coverage Approach (PCA)	Temperature Rating Approach (TRA)
Strategy	(×)	Reducing carbon	Growing e	ngagement —
Sector- determined		⊗		
Data quantity	07	\otimes	(·,.··)	\bigcirc
Ease of communication		\bigcirc	\otimes	
Emissions reduction focus	\\\\	\otimes	\bigcirc	
Recommended	Ĥ.	all sectors with	Non-SDA se	ectors with
for	堪	SDA guidance	minimal data maturity	increased data maturity

Source: SBTi Financial Sector Science-Based Targets Guidance 1.0 (Feb 2022, pgs. 31-33)

There are common concerns about asset classes



Set boundaries

Calculate baseline

Calculate target

Scope 3 - Fin



Coverage requirements

Cover all mandatory products, regardless of size

Apply stricter boundary for products with multiple coverage requirements

Example: Short-term loan to a fossil fuel company

Applicable¹: -----

All funds where the financial institution has influence over strategy, decision making, or **decision makers**, including most passive investments

Optional²:

A small amount of funds where the FI genuinely has no influence



Grouping asset classes

Asset classes can be grouped if using the same method:

- Public equity & corporate bonds
- All debt
- Sector based targets (e.g., all power generation)



Coverage calculation

Fls must disclose the total % of lending and investing activities that are covered by their SBTs

Example: 25% of AUM are covered by SBTs

Key considerations for scope 3 financed emissions targets



Calculate target

Scope 3 - Fin



Target years

accomplished

Tracking progress

FI-C7 - Progress to Date: Targets that



Level of ambition



Measurement methods

Targets cover 5–15 yrs.

PCA & TRA ——

Target within 5 yrs.*

Targets can't already be

100% of portfolio by 2040

At least WB2°C, pref. 1.5°C

TRA

Scope 1+2 target "well-below 2°C", preferably 1.5°C

Scope 1+2+3 target 2°C. preferably 1.5°C

FI-C17.1 - Ambition: SDA targets must meet minimum ambition for "well-below 2°C"; 1.5°C encouraged

FI-C17.3 - Ambition: FIs must align their portfolio scope 1+2 TRA score with "wellbelow 2°C" and 1+2+3 score with 2°C by 2040: 1.5°C encouraged

Progress against pathways

Increase % with SBTs

TRA —

Reduce portfolio temperature rating

FI-C17.1 - Boundary: Set SDA targets on real estate & electricity-generationrelated activities per Table 5.2. Targets may be set for other Table 5.2 activities.

FI-C17.3 - Boundary: Set PCA, TRA targets on corporate instruments per Table 5.2.

FI-C17.1 – Boundary: SDA targets must cover 5-15 yrs. from target submission

FI-C17.2, FIC17.3 – Boundary: PCA, TRA targets must be fulfilled within 5 yrs. from target submission

have already been achieved by the date they are submitted to SBTi are not acceptable

*Note: SBTi is undergoing consideration to increase target timeline beyond five years. Source: SBTi Financial Sector Science-Based Targets Guidance (Feb 2022, pgs. 29-33)

Scope 3 financed emissions target examples



Set boundaries

Calculate baseline

Calculate target

cope 1

Scope 2

Scope 3 – C

Scope 3 - Fin



Set seven scope 3 targets

Leading retail finance and asset manager in South Korea

Headline Target: ...portfolio targets cover 19% of its total investment and lending activities as of 2020

Electricity Generation Project Finance (SDA)

emissions from its
electricity generation
project finance portfolio
76% per kWh by 2030 from
a 2020 base year.

Corporate Loans (TRA)

...commits to align its scope 1 + 2 portfolio temperature score by loan value within its SME and other long-term corporate loan portfolio from 3.17°C in 2020 to 2.58°C by 2026.

Portfolio Loans

corporate loan portfolio (longterm debt) by loan value within the fossil fuel, electronic equipment, iron and steel, pulp and paper and cement sectors will have set science-based targets by 2026.

(PCA)

☎ 玉山金控 E.SUN FHC

Set five scope 3 targets

Leading commercial bank in Taiwan

Headline Target: ...portfolio targets cover 11% of its total investment and lending activities by monetary value as of 2019

Equity and Bonds (PCA)

...commits to 34% of its listed
equity and bonds portfolio by
total assets setting SBTi
validated targets by 2026.

FI-C18 – Disclosure of target(s) portfolio coverage: FI's shall disclose the % of their total investment and lending covered by portfolio targets

Fossil fuel and thermal coal have recommended approaches



Set boundarie	es 〉 Calo	culate baseline Calculate target	Scope 1 Scope 2 Scope 3 – Ops Scope 3 – Fin
		Thermal coal	Fossil fuels
Definition		>5% of revenue from coal activities	Self-defined threshold (>5 – 30% rev) from FF
Approach		Establish phaseout policy within 6 months of target setting	Annually disclose financing in fossil fuels and engage companies to transition
		Cease all investment	Cover 95% of investments by targets
		Phase out by 2030, completely	A more comprehensive FF policy is being developed in the net-zero guidance to be defined in 2022-2023
as of SBT	NZ is currently prescriptive than i, but may change time*	Recommends phasing out, but does not require a specific date	Should align with 1.5°C forecasts, but does not recommend method or timeline
		FI-R10 – Phaseout of Thermal Coal: FIs should phase out	<u>FI-R11 – Disclosure of Fossil Fuels</u> : FIs should annually

Notes: Coal activities include mining, exploration and drilling, mining services, processing, trading; Fossil Fuel Activities include exploration; extraction; refining; transportation and distribution
*GFANZ has not published updates reflecting Race to Zero's June 15, 2022 campaign updates as of July 25, 2022, which explicitly require halting investments in coal and fossil fuel and an immediate halt on new coal projects.

financial support to thermal coal... by 2030 globally

Source: SBTi Financial Sector Science-Based Targets Guidance (Feb 2022, pgs. 93-95); GFANZ Recommendations and Guidance on Net-zero Transition Plans for the Financial Sector (Jun 2022, pgs. 75-83); Race to Zero Updates to Critiera (Jun. 2022); Foundations for Science-Based Net-Zero Target Setting in the Financial Sector (Apr 2022, pgs. 43-44)

disclose investments, project financing, and lending ...

Key learnings



- Must meet coverage requirements for all relevant products, regardless of size
- Be strategic in applying the three methods: Sectoral Decarbonization, Portfolio Coverage, and Temperature Rating
- Disclose fossil fuel investments annually and it is recommended to submit a
 phase out strategy for coal 6 months after setting targets



THANK YOU FOR LISTENING

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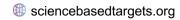


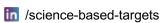


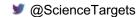
















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