LEBANON

LMAC

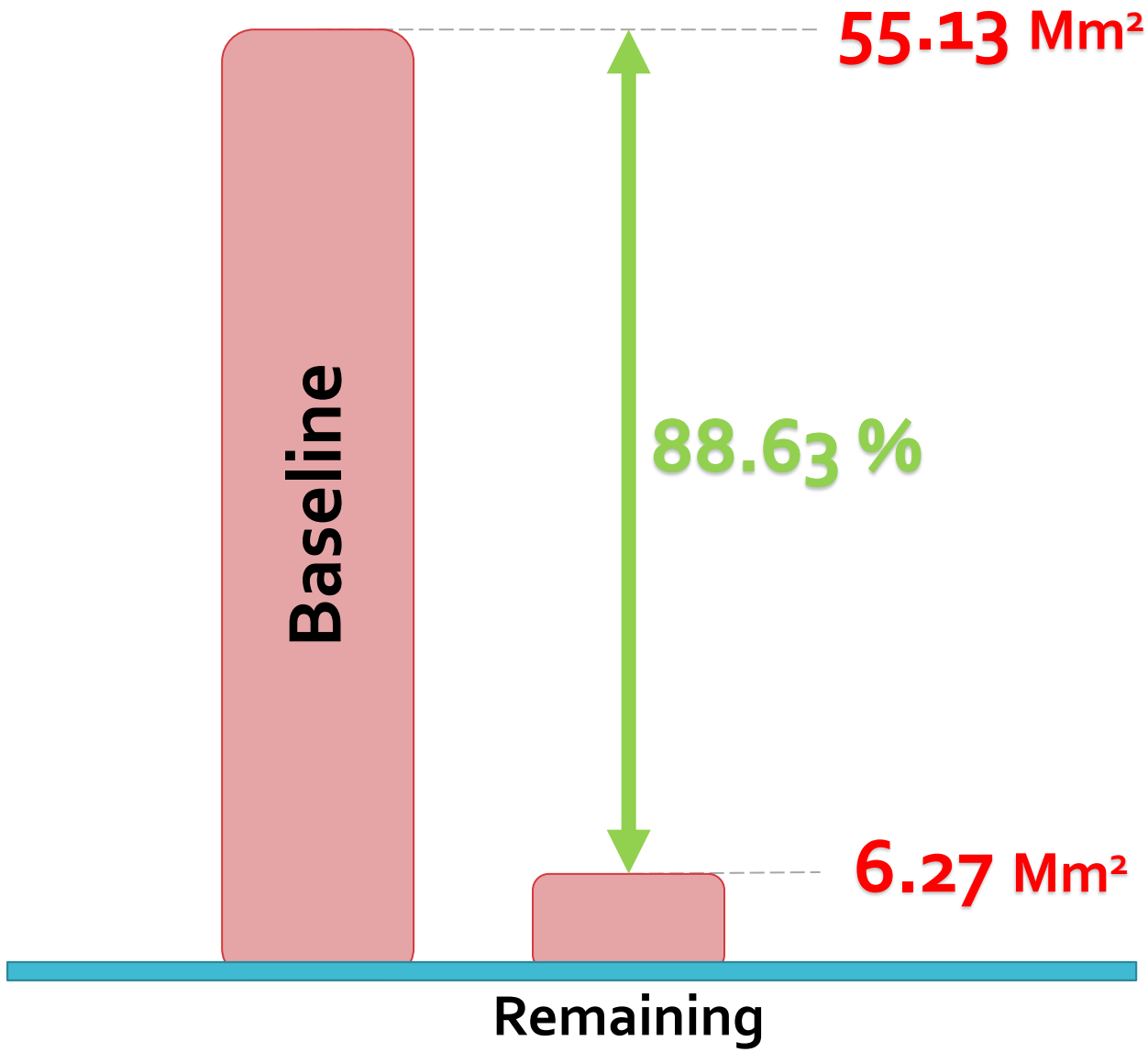
Extension Plan Update

CCM intercessional meeting – May 2022

Geneva - Switzerland

LTC Fadi WAZEN
LMAC
Head of Operations

CONTAMINATION



In 2021

- **2,418** CM destroyed
- **9** victims (<18 years)
- Land needed

EXTENSION PLAN

May 1st 2021 – May 1st 2026

1- Preparation

2- Assumptions

3- Indicators

4- Operations

EXTENSION PLAN

May 1st 2021 – May 1st 2026

1- Preparation

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Plan

- NTS
  All Sites revisited end of 2020
- Prioritization
  All info Updated
- Clearance

  Cancellation
  1.456 M. m2

  HA to clear
  8.7 M. m2

Actual

- NTS
  Done
- Prioritization
  Done
- Clearance

  Cancellation
  2.1 M. m2

  Remaining contamination
  7.04 M. m2

EXTENSION PLAN

May 1st 2021 – May 1st 2026

1- Preparation

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4- Operations

Plan	Actual
➢ 50 m fade-out, 15 cm depth	➢ Improved Methodology
➢ 210 Days of work	➢ Some interruptions
➢ Political & Security stability	➢ Unprecedented instability & Economic crisis
➢ Intl' Funds **6.6 M$** GoL funds **3 M$** (3 years)	➢ Not met!

EXTENSION PLAN

May 1st 2021 – May 1st 2026

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Plan	Actual
➢ Clearance Average, **426** m2/ team/ day	➢ Acceptable
➢ Improved Area Reduction	➢ Operational efficiency study EDD + Manual teams
➢ M2 cleared/Item found	➢ Depends on location

EXTENSION PLAN

May 1st 2021 – May 1st 2026

1- Preparation

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4- Operations

Plan

- EDD
- Manual Teams

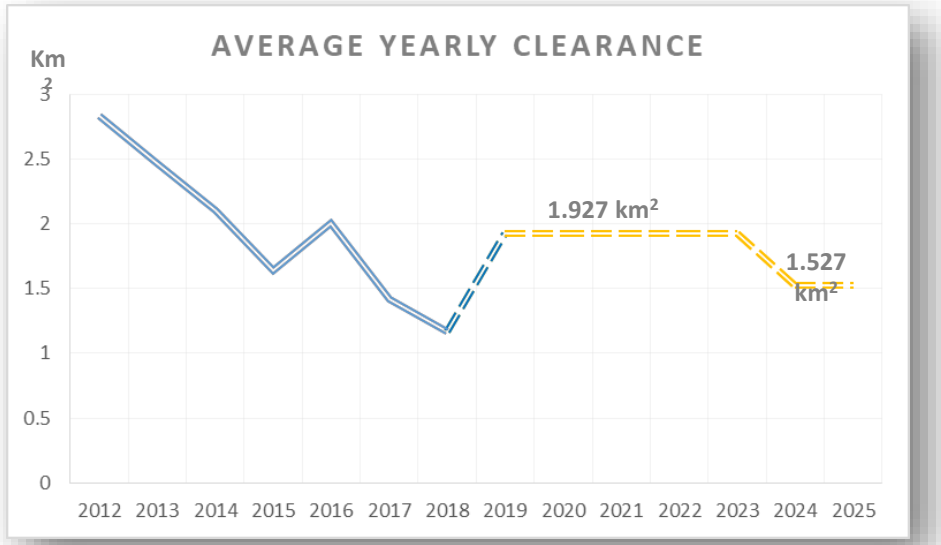
Actual

- Project ended!
- Average **354** m^2/ team/ day
- Working Days = **187**
- Area Reduction = **34%**
- m^2/items found = **233**

COMMENTS

Plan Expected Remaining Contamination (end of 2021) = 7.43 km²

Actual Remaining Contamination (end of 2021) = 6.27 km²

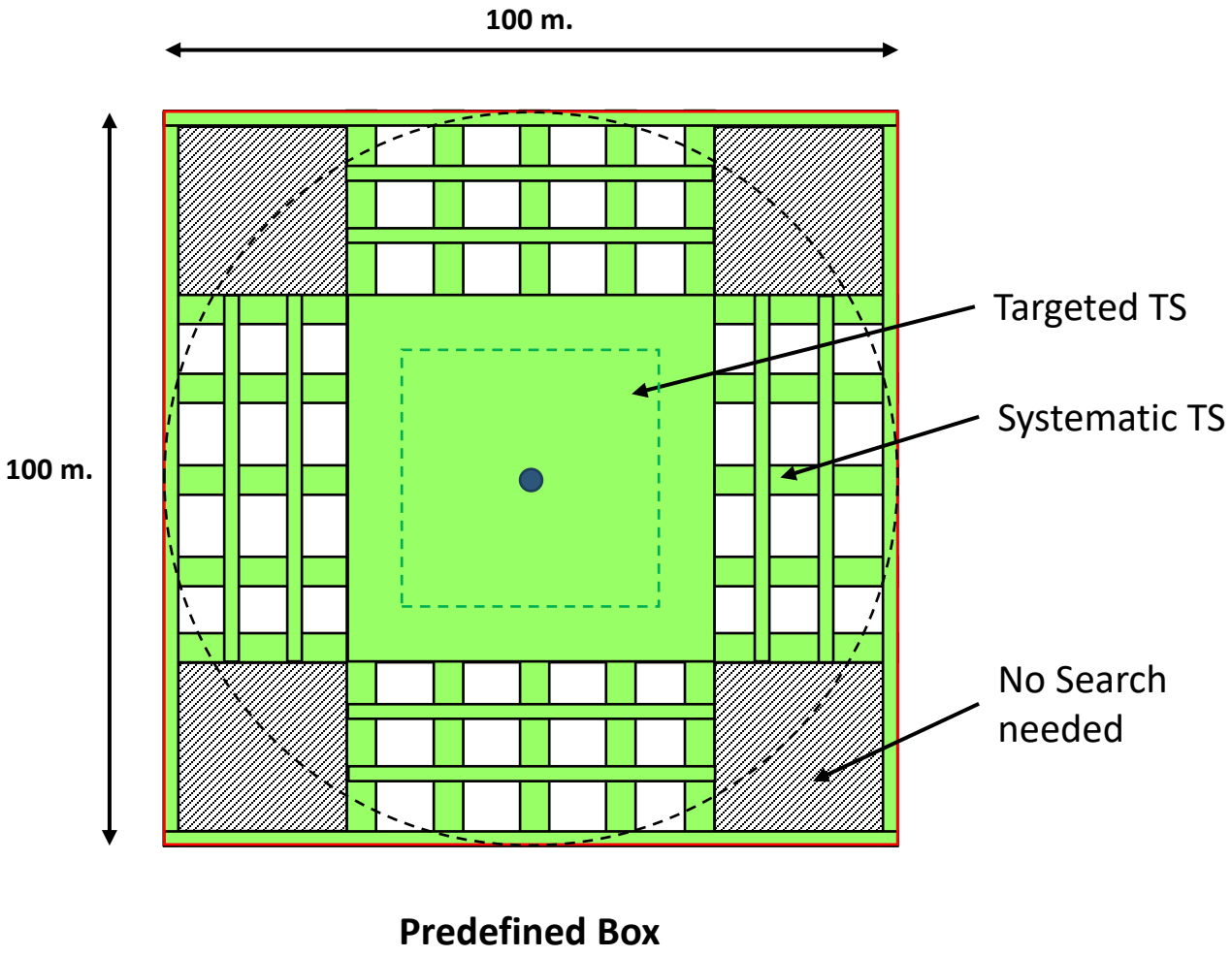


Average released (2020+2021) = 1.225 km²

Expected next 4 years = 4.900 km² → One more year needed

ACTIONS

1- implement TS where possible



	L		W		#	Total
Targeted	50	x	50	x	1	= 2500 m^2
Systematic	100	x	2	x	2	= 400 m^2
	96	x	2	x	2	= 384 m^2
	50	x	2	x	8	= 800 m^2
	19	x	4	x	20	= 1520 m^2
Total						**= 5604 m^2**

Saving 44 %

ACTIONS

2- New Technology

ACTIONS

2- New Technology

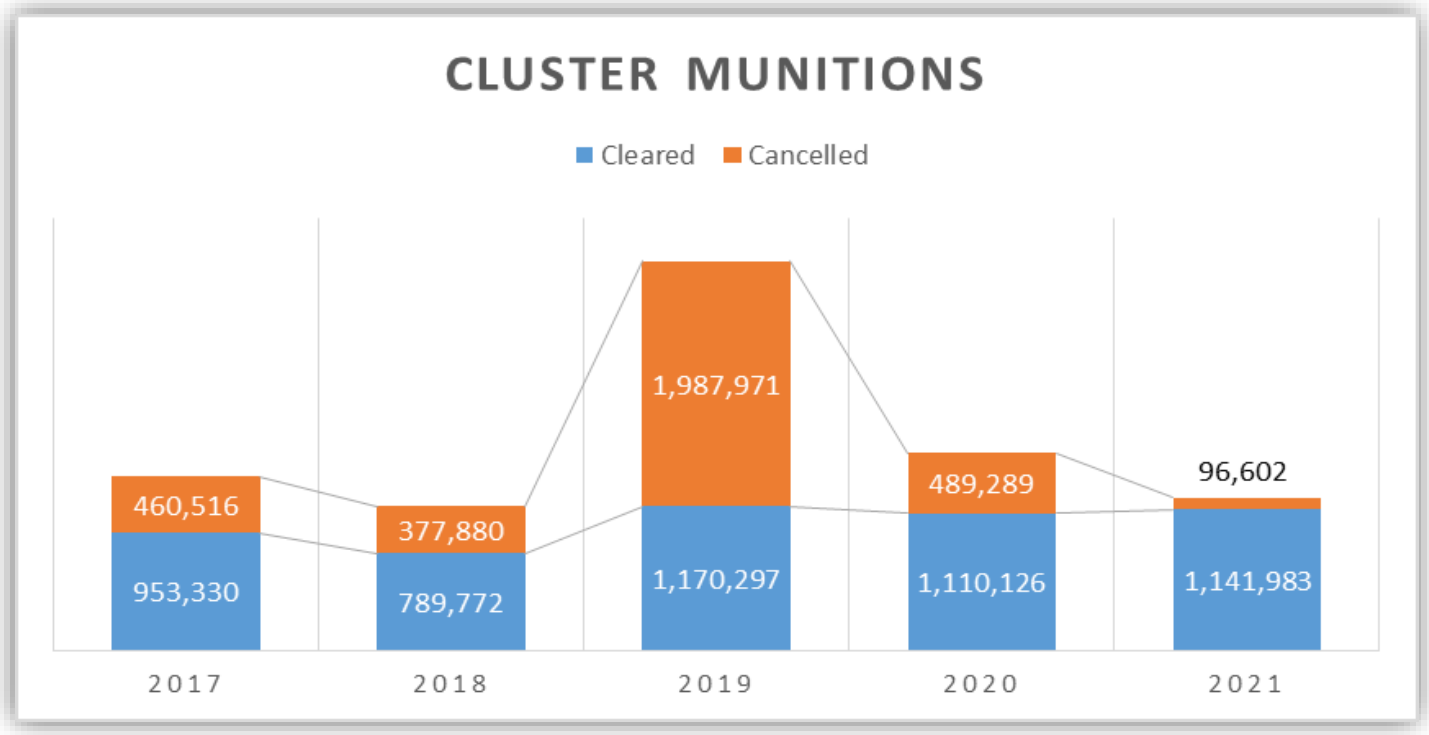
Team	Month	July	August	Sep (2 weeks)
	Detector	PIDD	VMH4	VMH4
3		713	1305	2820
2		3715	7040	-

ACTIONS

3- Conduct Demo once a week

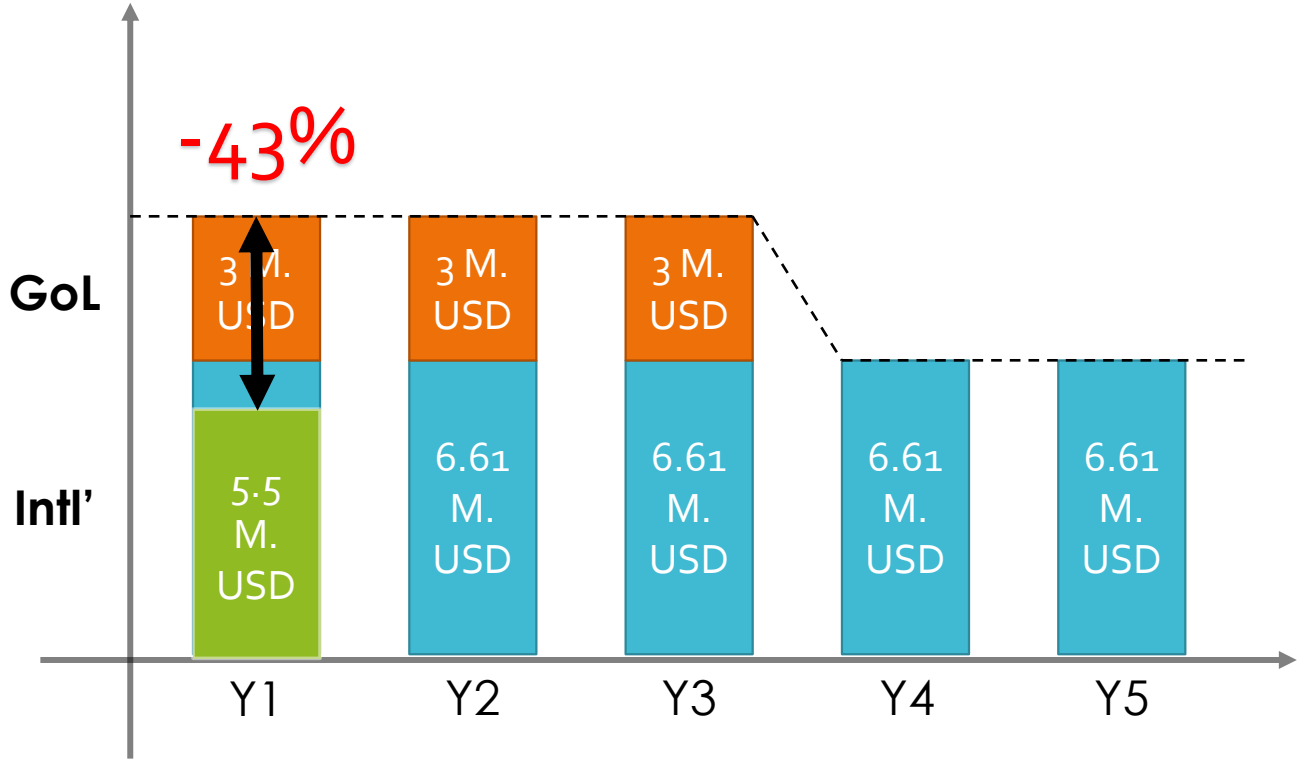
2 hours/day → 4-8 hours/week → **+ 21 - 42 Days/Year**

4- Annual Plan



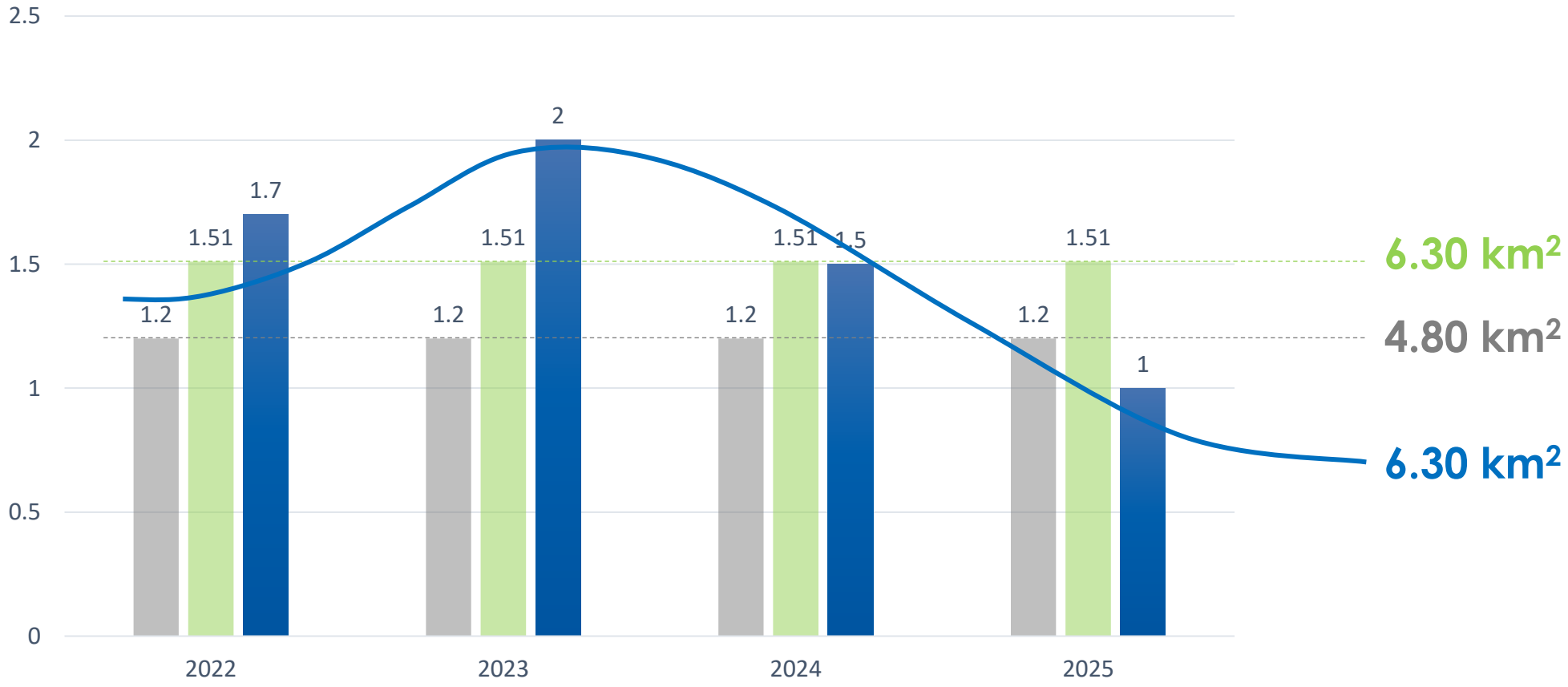
ACTIONS

5- Funds



ACTIONS

5- Funds



NOTE

Difficult Terrain

- ✓ Joint Study with GICHD
- ✓ All sites identified and visited
- ✓ Challenges identified
- ✓ Working on SOP

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Thank You

Questions ?

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