



Fostering Adaptation Action: Climate Risk Assessment and Adaptation Knowledge Building in Taiwan

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IPCC AR4
2007

IPCC AR5 2013-2014

IPCC AR6
2021-2022

National Adaptation Plan of Taiwan

National Adaptation Plan
Phase I : 2012-2017 (NDC)

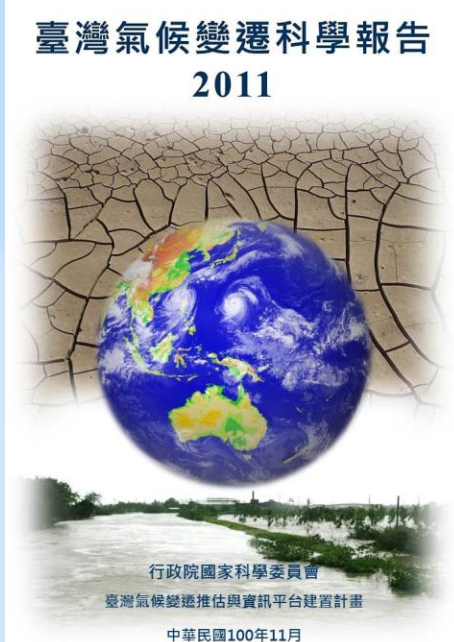
National Adaptation Plan
Phase II : 2018-2022 (EPA)

Phase III : 2023-2027
(MoE)

Taiwan Climate Change Projection
Information and Adaptation Knowledge
Platform (TCCIP) I-II
2009-2017

TCCIP III
2017-2022

TCCIP IV
2022-2025



Issue periodic **scientific**
reports of climate change research

2021-2023

Two-Year MoU between EPA & NCDR (on risk assessment)

2023-2027

Four-Year MoU between MoE & NCDR



On Scientific Evidence

1

Difficulties in Supporting Local Adaptation Planning with Existing Scientific Information

- Incomplete data (the Central government has not yet produced or provided the necessary indicators/raw data)
- The spatial resolution of data provided is not useful on local scale.

2

Insufficient Capacity for Adaptation Planning

- Technical barriers to data understanding, mapping and analysis
- Lack of ability to interpret and apply the scientific information
- Lack of integrated channel or platform for data and information extraction

WE CAN HELP



Adaptation Resources Kit (ARK), Beta version introduced since 2025.08



Beginner

Basic

Integrates basic concepts of climate change adaptation and related resources for beginners to quick understand climate change adaptation

Viewed: 3,205 times



Explorer

Advanced

Provides diverse resources from policies, regulations, and risk assessments to tools and case studies, supporting advanced research on adaptation

Viewed: 1,932 times



Local Expert

City/County

Offers rapid risk assessment at the city county scale, adaptation frameworks, and practical case studies, supporting local government planning and actions

Viewed: 4,638 times



Sectoral Specialist

Central Admin.

Integrates risk mapping tools, adaptation simulators, and demonstration cases, serving as reference materials for central government policy planning

Viewed: 5,462 times

Pre-Screening Kit

1

Offer quick glance of risk level for all sectors in the chosen areas

Adaptation Resources Kit (ARK)/ Beta Version



Local Experts

Provide a rapid risk pre-screening at the county and city scale, together with an adaptation framework and practical reference cases, which can serve as references for local governments in adaptation planning and actions in response to climate change.

風險快篩

調適架構

調適案例

回專屬入口



Risk Pre-screening

Helps you quickly understand the sectoral risks of each township within a county or city

各領域快篩表單

Tainan

An-nan

GWL2°C



本模組為風險調適之科研測試結果，僅作為各單位於調適應用之參考資訊，不得用於商業用途、開發限制、法律或監管等目的。氣候變遷推估資訊與調適知識平台無法對各單位基於本結果所為之解讀、應用或衍生結果負責。快篩表單為簡易分析成果僅供參考，詳細空間分布資料請至各領域參考圖臺連結內查詢。

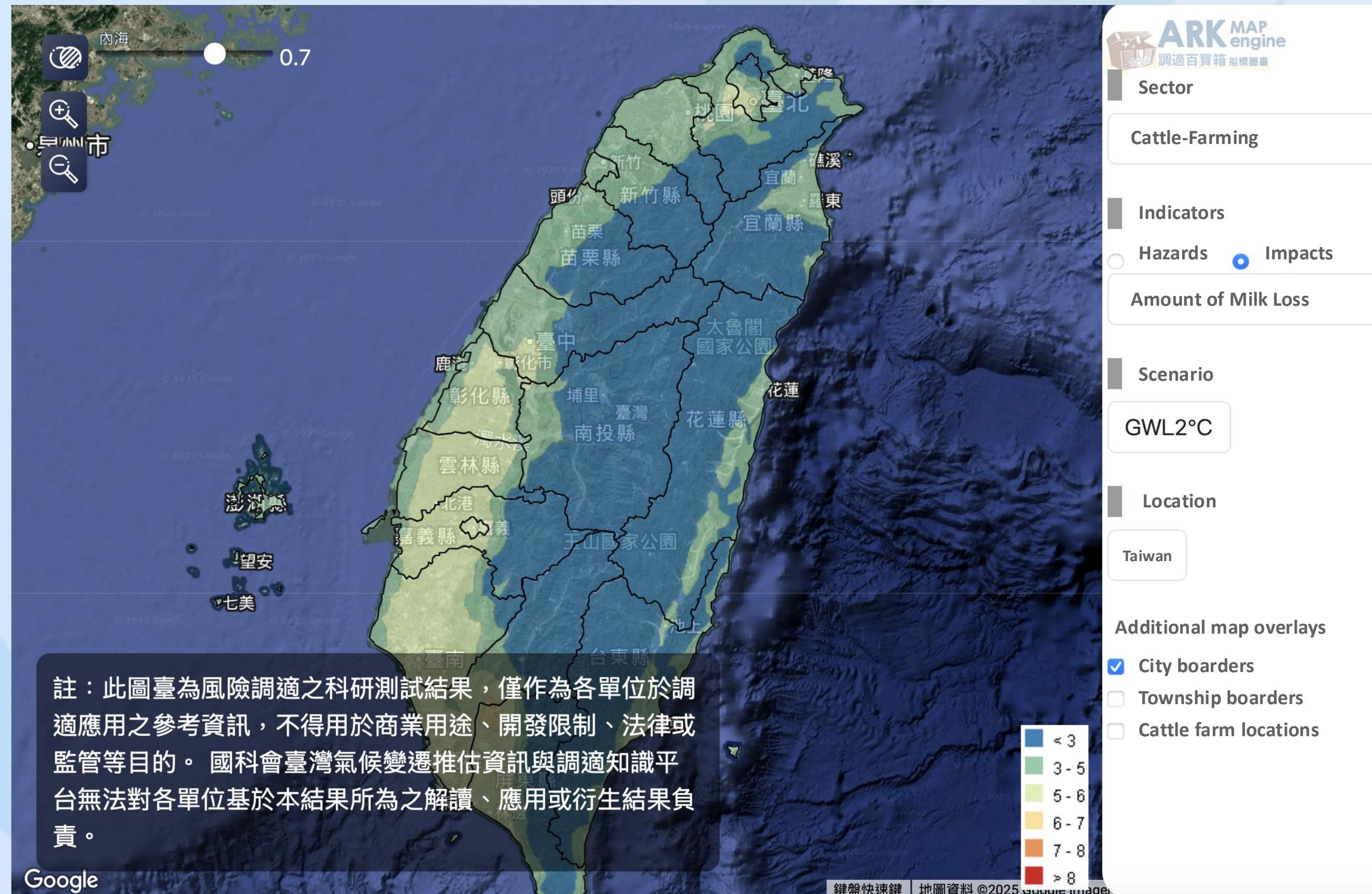
Sector	Impact Indicator	Indicator details	Result	Atlas
農業	水稻產量	未來水稻產量減少趨勢	++	圖臺連結
Cattle-Farming	Amount of Milk Loss	Milk Loss compared to Baseline year	++	Atlas
海岸	海平面上升	相較於基準線上升高度	++	圖臺連結
養殖漁業	產量變化率	漁種產量變化	+	圖臺連結

The screening results show "NA" to indicate no data, while "-", "+", "++", and "+++" are used to represent no risk, low risk, medium risk, and high risk, respectively.

Pre-Screening Kit

Directed to: ARK Map Engine

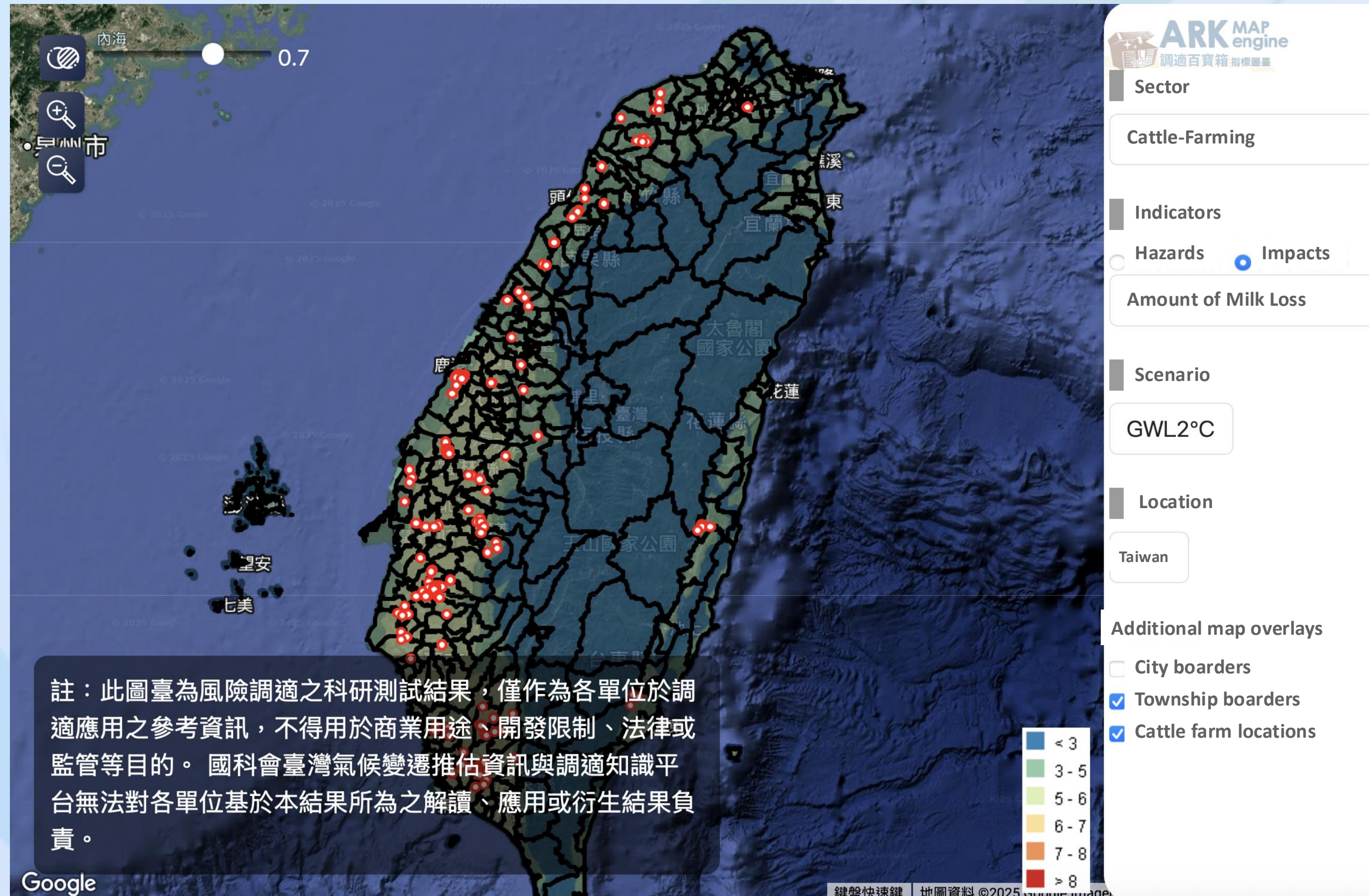
- 1 Offer quick glance of risk level for all sectors in the chosen areas
- 2 Direct connection to corresponding risk maps for further analysis



Pre-Screening Kit

Directed to: ARK Map Engine (with specific farmland locations)

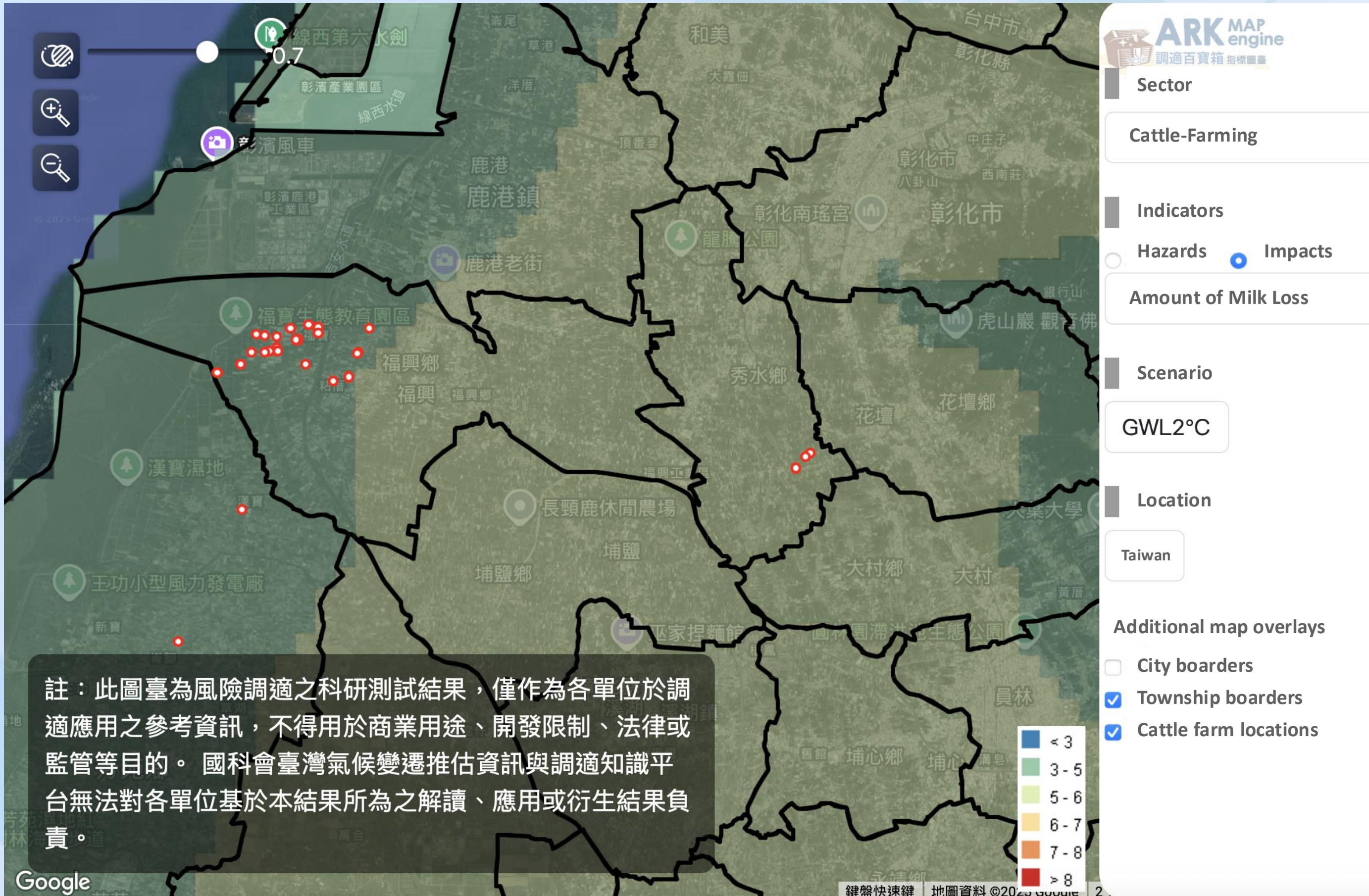
- 1 Offer quick glance of risk level for all sectors in the chosen areas
- 2 Direct connection to corresponding risk maps for further analysis



Pre-Screening Kit

Directed to: ARK Map Engine (township scale)

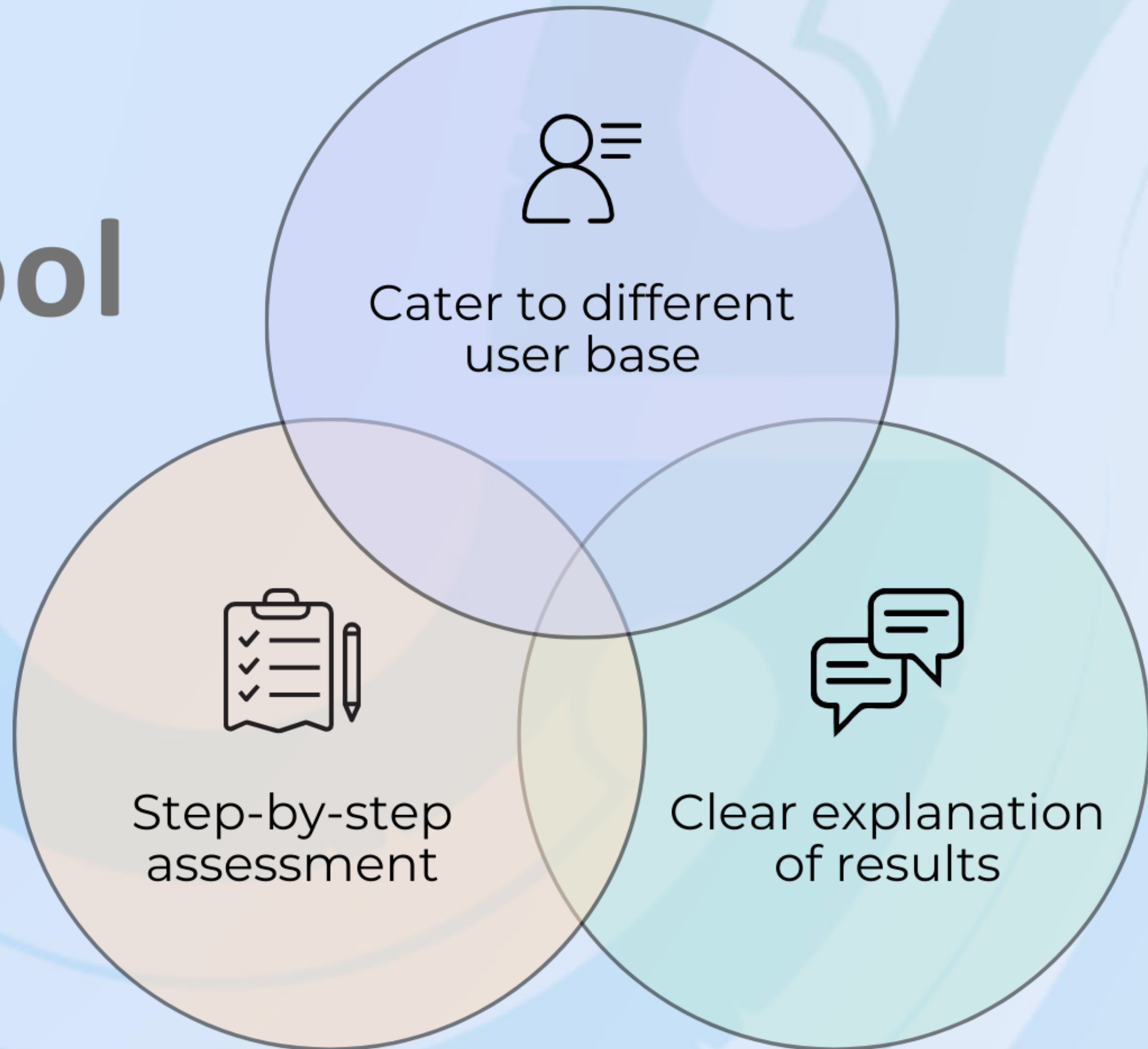
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TCCIP

ARK Webtool

Integrated tool
for comprehensive
adaptation action





Contact for more info

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