



食蟻動物研究室  
Lab of Myrmecophagy (LOM)

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Feeding ecology

Behavioral ecology

Mammalogy

Conservation biology

*In-situ* conservation





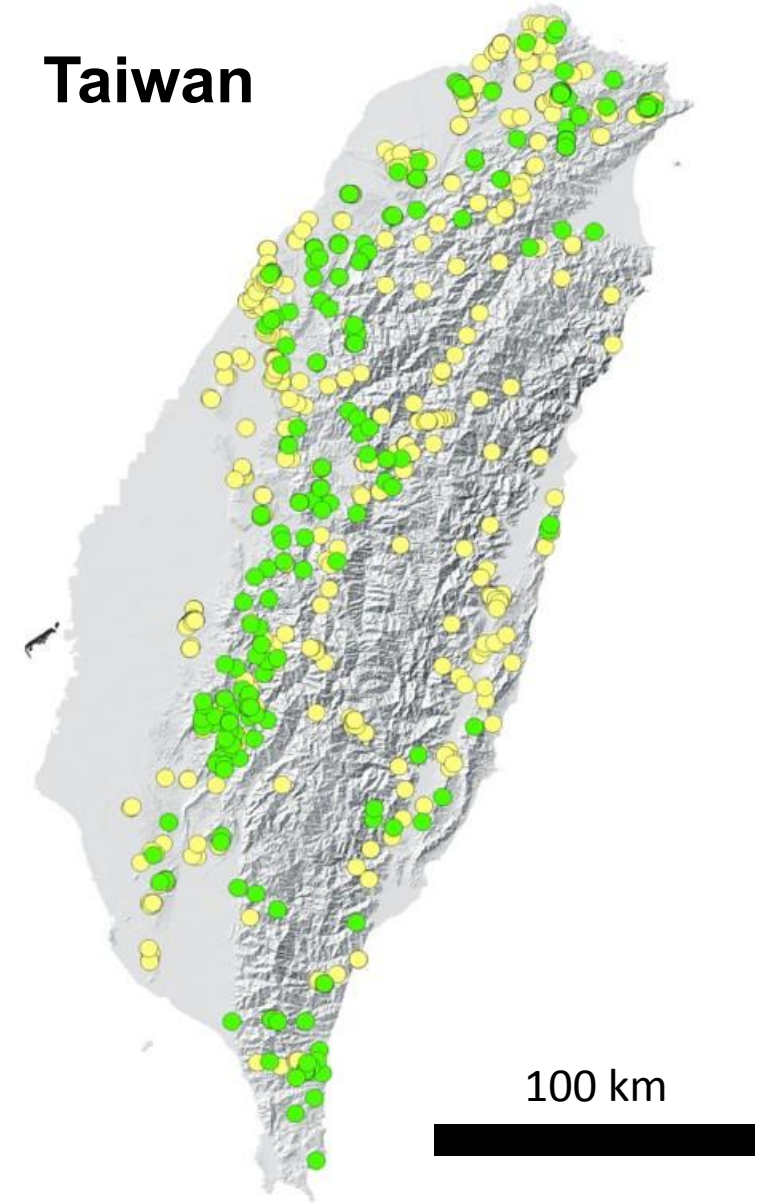
- camera that detects pangolin

## Chinese pangolin (Critically Endangered)



Credit: Grandis Liou

## Taiwan



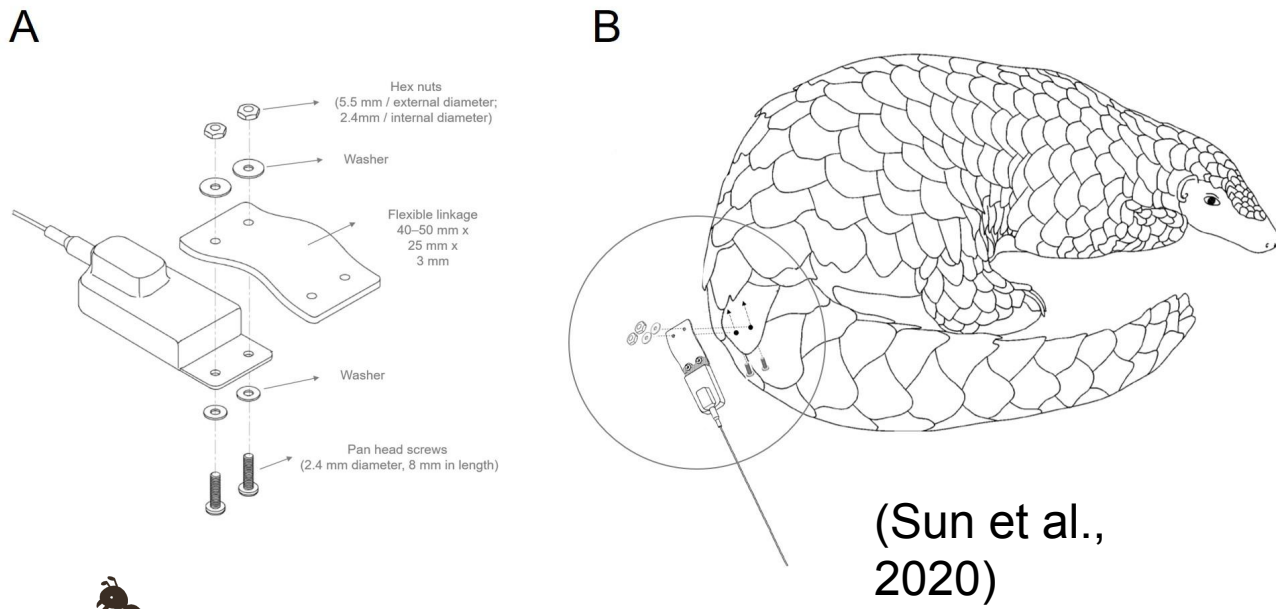
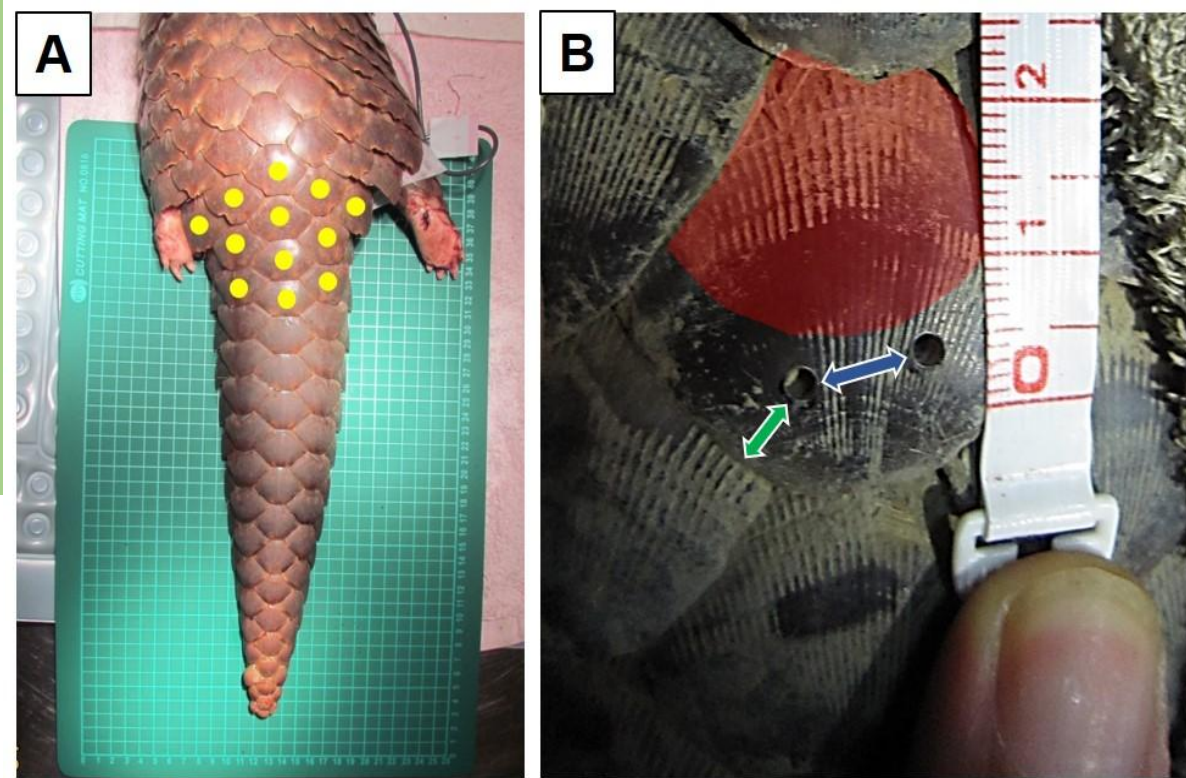
100 km



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# Tagging a radio tag









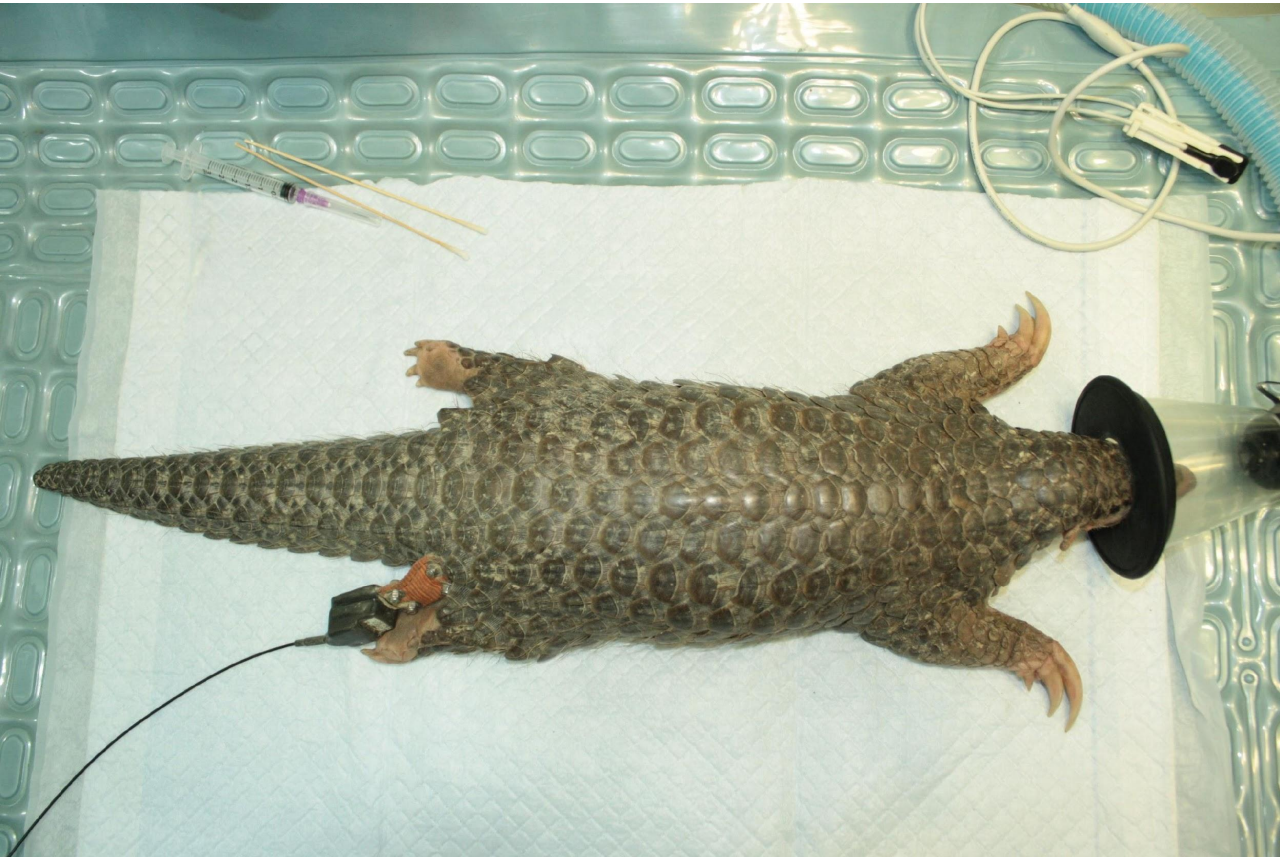
## Tracking duration for free-ranging Chinese pangolin from 2009~2014

Animal ID	Sex	Average mass (kg)	Duration of tracking	Duration (days)	Number of observations
LM1	male	5.4	02/22/2010-12/31/2014	1774	495
LM11	male	4.4	05/01/2011-02/09/2012	284	60
LM14	male	4.9	01/02/2013-12/31/2014	729	145
LM15	male	4.7	10/03/2011-07/21/2012	293	74
LM18	male	5.1	2012/01/18-2012/09/13	240	73
LM26	male	4.9	03/07/2013-06/15/2013; 03/14/2014-12/01/2014	364	107
LF1	Female	4.7	06/03/2009-09/05/2009; 09/14/2012-04/18/2013	308	98
LF2	Female	4.4	07/10/2009-09/02/2009; 04/29/2013-12/31/2014	667	123
LF3	Female	5.6	07/20/2009-11/26/2009; 02/03/2010-05/15/2010	239	87
LF4	Female	5.0	09/02/2009-12/25/2009; 01/13/2010-08/10/2010	327	156
LF5	Female	5.3	09/06/2009-03/31/2010	204	81
LF12	Female	3.7	02/09/2011-10/01/2012	601	178
LF19	Female	2.9	11/06/2011-06/08/2013	581	157
LF28	Female	3.0	10/04/2012-01/21/2013; 01/10/2014-12/31/2014	466	102

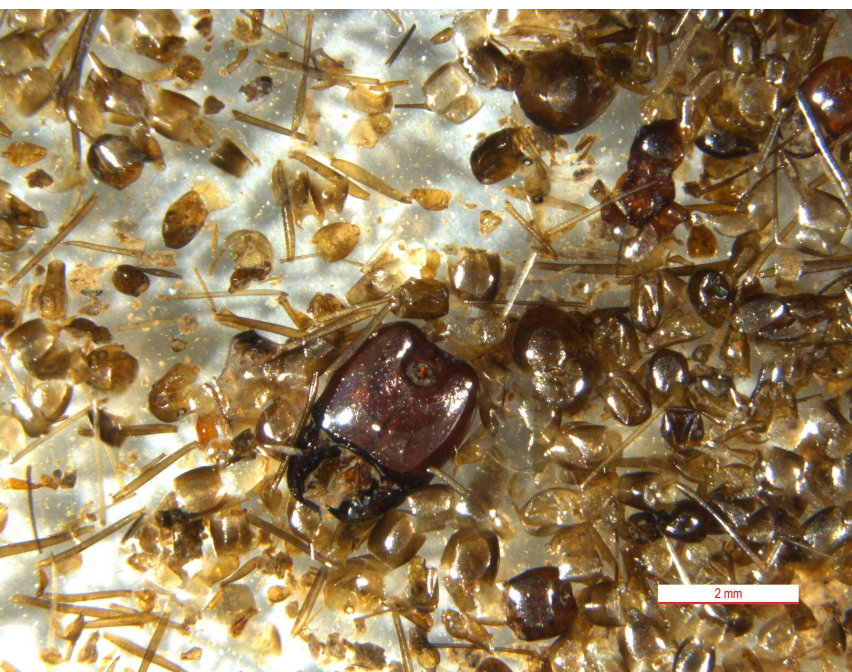
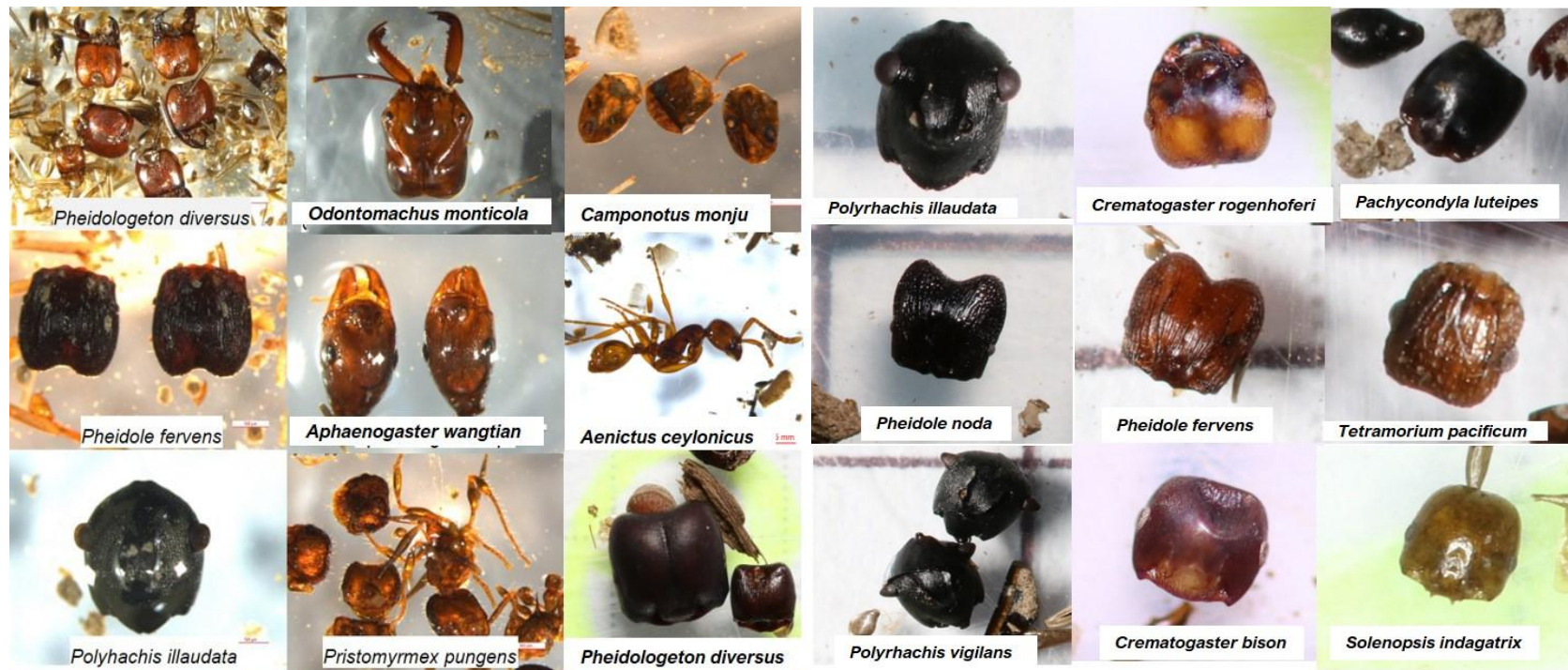


## Retrieve pangolin periodically

- Check body condition
- Check tag firmness
- Collect feces and analyze fecal composition







Termite worker  
mandible

Termite soldier  
mandible

*Odontotermes formosanus*



*Pericapritermes nitobei*



*Reticulitermes flaviceps*



*Nasutitermes parvonasutus*





# Objects for post-release monitoring

1. Pangolin attacked by feral dogs



2. Pangolin injured by a gin trap



3. Orphaned pangolin



Source: WildOne wildlife conservation association

Source: Endemic species research institute

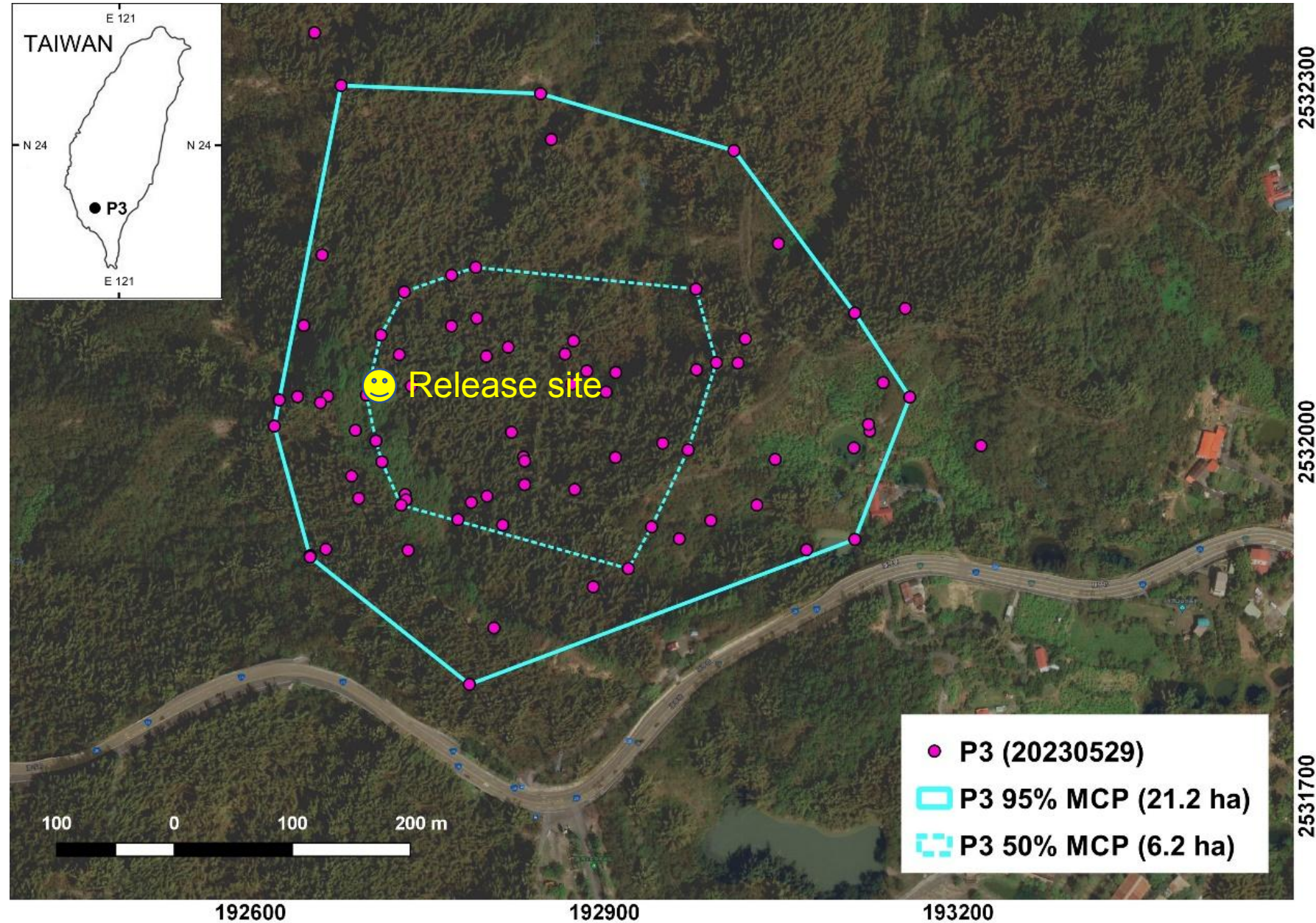


## Home range and dispersal of pangolin orphan P3

- Tracking days: 216
- Home range size: 21.2 ha
- Results of monitoring: continue



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# 社區保育合作

- Patrol
- Report/remove feral dogs





TWO

BIG LITTLE  
JOURNEYS

Home

Episodes

Clips

Meet the animals

Quizzes

## Filming pangolins in Taiwan

*Episode 2 of Big Little Journeys tells the story of a young pangolin who, having reached maturity, must travel through a land of giants and face the human world to find a female.*

*Here Series Producer Paul Williams explains how it was the work of conservationists that provided a unique opportunity to film this elusive species.*





*"Formosan pangolins spend about 20 hours in the burrow, so I have developed a durable radio tag system that attaches to their scales to allow long-term tracking. By applying this technology I can find their natal burrows and monitor nursing behaviour as well as their home range and habitat use."* Nick is part of a network of dedicated individuals and rescue centres across Taiwan who are actively involved in Pangolin conservation.

“

a durable radio tag system



Dr Nick Sun (centre) and Veterinary surgeons at Pingtung rescue centre where a Pangolin is being assessed prior to release.



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**Thank you!**







野生動物急救站  
**WRPC**

觀樹教育基金會

