Cycling Canal and Community Project - Bangmod Case: Connecting and Reviving Canal Path as Means for People Transportation and Urban Development.

King Mongkut’s University of Technology Thonburi
1. Starting point: What was the main challenge, issue, problem to be addressed by the practice?

**Challenges:** Car dependent city, Air and Noise pollution, Inactive living, Weak culture and community, Waste beautiful resources and time.

**Opportunities:** Bicycle as a sustainable transportation choice, not on street but, on canal side path which if connected to BTS and MRT stations could give people independent, clean, quiet and actively healthy life. Moreover, it could bring back beautiful water culture and community by providing economic opportunity on canal sides.
In the years 2554-2556, Thailand had 22,052 road accident deaths per year, or an average of 60 people killed per day.

From 2011 to 2013, there were 22,052 deaths per year from road accidents, or an average of 60 people killed per day.

Bangkok is the world's 2nd most congested city in 2016.

** Reference:
www.tomtom.com
World's leading GPS system manufacturer

At present, there are 2,250,000 cyclists in Thailand.

** Reference:
http://marketeer.co.th/2015/04/bangkok-bike/

Nowadays, Bangkok has 48 routes of bicycle lane which cover the distance of 230 km. However, the project isn't quite successful as good bicycle lanes need to be connected to public transportation.

** http://www.posttoday.com/local/scoop_bkk/434552
Meong Klong...has changed

น้ำยี่ในคลอง
200 ตันต่อวัน
There are over
200 tonnes/day of
waste in the canal

หมู่บ้าน มากมายที่
สวนริมคลอง
Housing development
has replaced garden
along the canal

บ้าน หันหลัง
ให้คลอง
Houses turn their
backs on
the canal

วิถีชีวิตริมคลอง
หายไป
The lost of life
along the canal

** ข้อมูลจากสำนักการระบายน้ำ
กรุงเทพมหานคร (กทม.)
** Source: Department of Drainage
and Sewerage (Bangkok)
2. Institutional setting: What were the frame conditions for the practice that will be presented?

Involving community groups, education institutions, government organizations has move the idea forward and getting people to plan for their own future.
แผนที่เส้นทางเดินทางของมาตรฐานลูแย์
Canal Path Network

คลองในกรุงเทพมหานครมีทั้งหมด 1,161 คลอง และคลองย่อย 521 คลอง รวมเป็น 1,682 คลอง รวมความยาวทั้งสิ้น 2,604 กิโลเมตร

There are 1,161 main canals in Bangkok and 521 irrigation ditches made for an agricultural purpose which add up to a total of 1,682 canals and 2,604 km length.
ทางเดิน-ทางจราจรเดินบกของบางแค จากถนนเสือบองแห่งนครพนม ถึงสถานี BTS จุฬาภรณ์ ความยาว 8.95 กิโลเมตร
3. Approach: Which methods, tools or instruments have been developed and were applied to address the challenge?

**Public survey and participation** were used to share idea, show possible facility design. **Bicycle trips** were arranged to engage new comers and demonstrated potential transportation choice. **Public arts and events** were created to draw more attention to the waterway as business front area.
ผลงานโดย Atpotterhouse & Friends

เนื้อเรียน 방문 (ศูนย์วิทยาการ)
Putthabucha Temple

วัดพุทธบูชา

สะพานหล่อ
Yellow Bridge

สะพานไม้
Wooden Bridge

สะพานดำ
Black Bridge

鞏มบงค์
Bangmod Canal

เนเธอร์ทูหละ
Nooroolhooda Mosque

เนอทูหละ
Sornsomboon BangMod Mosque

ผลงานโดย คุณธรรมศักดิ์ เสรีกุลคูณ
ศิลปินผู้สร้างสรรค์ผลงานฝีมือ Pixel Art

ผลงานโดย คุณอาคาร โอคูในชัย
กลุ่มผู้ปักตรองและนักเรียนโรงเรียนรุ่งอรุณ
4. Outputs: Which were the concrete tangible results, outcomes and/or impacts of the good practice and how do they ensure sustainability of the practice?

Local government organizations have actively help develop/clean up the area and promise budget for the path construction next year.

Individuals and communities have started new businesses and biking activities on the canal sides.
5. Lessons: What are the main lessons learnt in the course of implementation of the good practice? Are there any open questions that need to be dealt with?

Diverse professions teamwork allow diverse output and outcome.

Still, culture of working together between community groups and government organizations needed to be built.
6. Transfer: What are the necessary preconditions to transfer this practice to another place? What would be the first steps to take?

Look for the **beauty in the area** and start thinking and asking with open mind, **form a group** with **similar interest** but **different background**.