

"At this time in our history, we are in great need of processes that can help us weave ourselves back together.

We've lost confidence in our great human capabilities, partly because we've been using organizational processes that have treated us as machines. We've ended up separated and divided, fearful and distrusting of one another.

We need processes to help us reweave connections, to discover shared interests, to listen to one another's stories and dreams. We need processes that take advantage of our natural ability to network, to communicate when something is meaningful to us. We need processes that invite us to participate, that honor our creativity and commitment to the organization."

Finding our way.

Margaret J. Wheatley

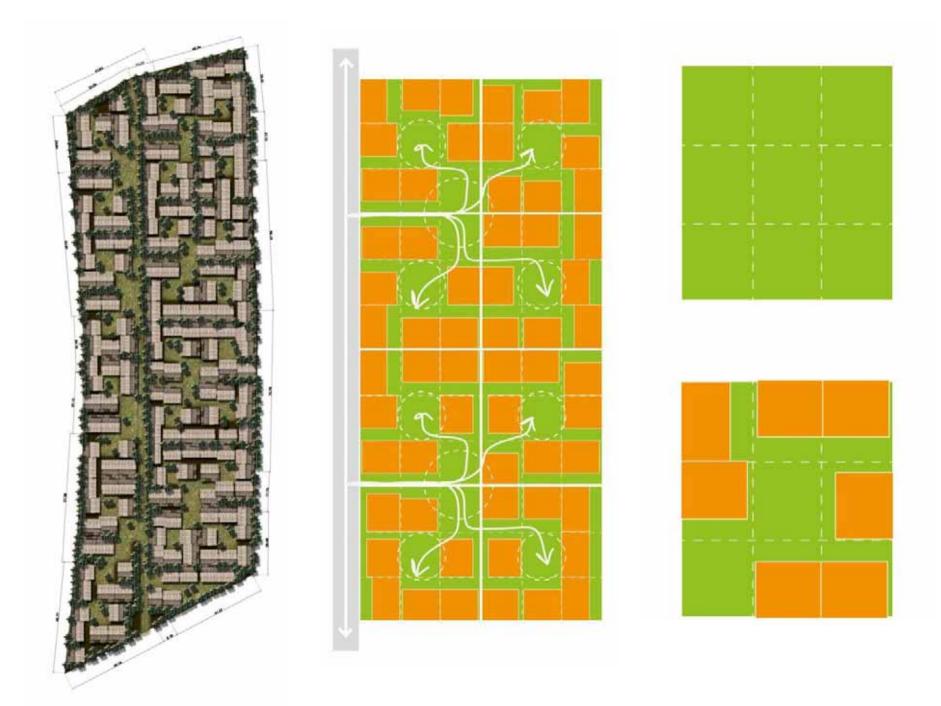






Regional Workshop on Comprehensive Site Planning and Low Cost Housing Gopalganj Municipality, Bangladesh from 09 to 18 June, 2011









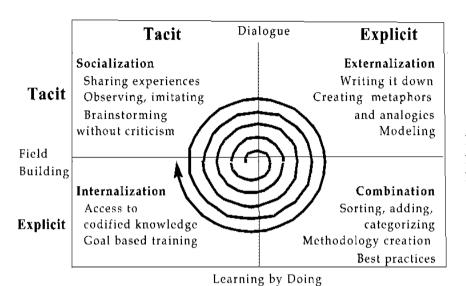












Linking Explicit Knowledge





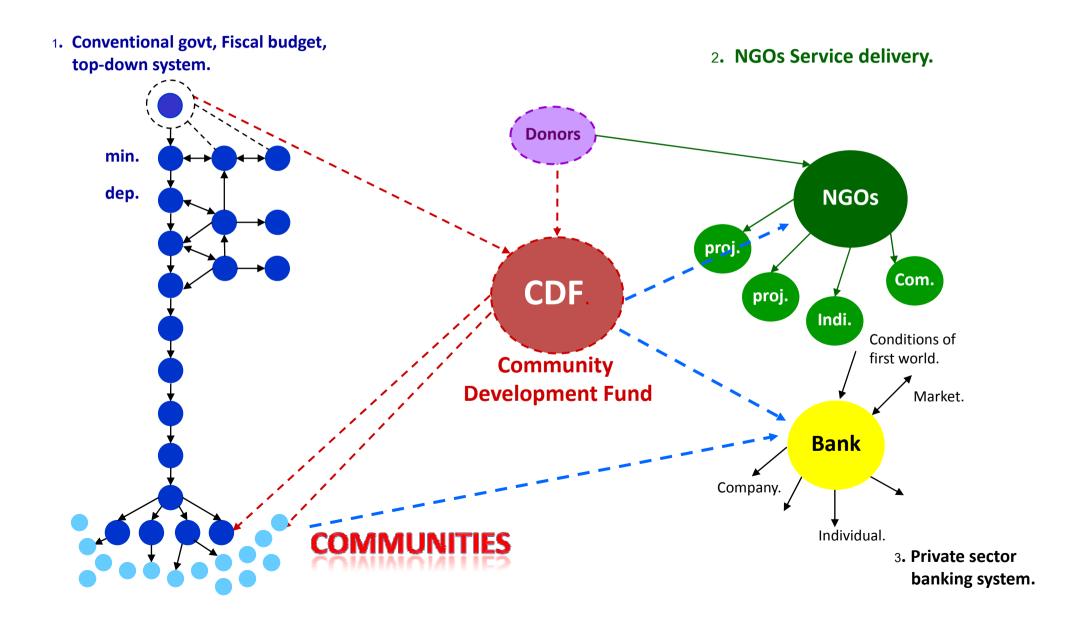


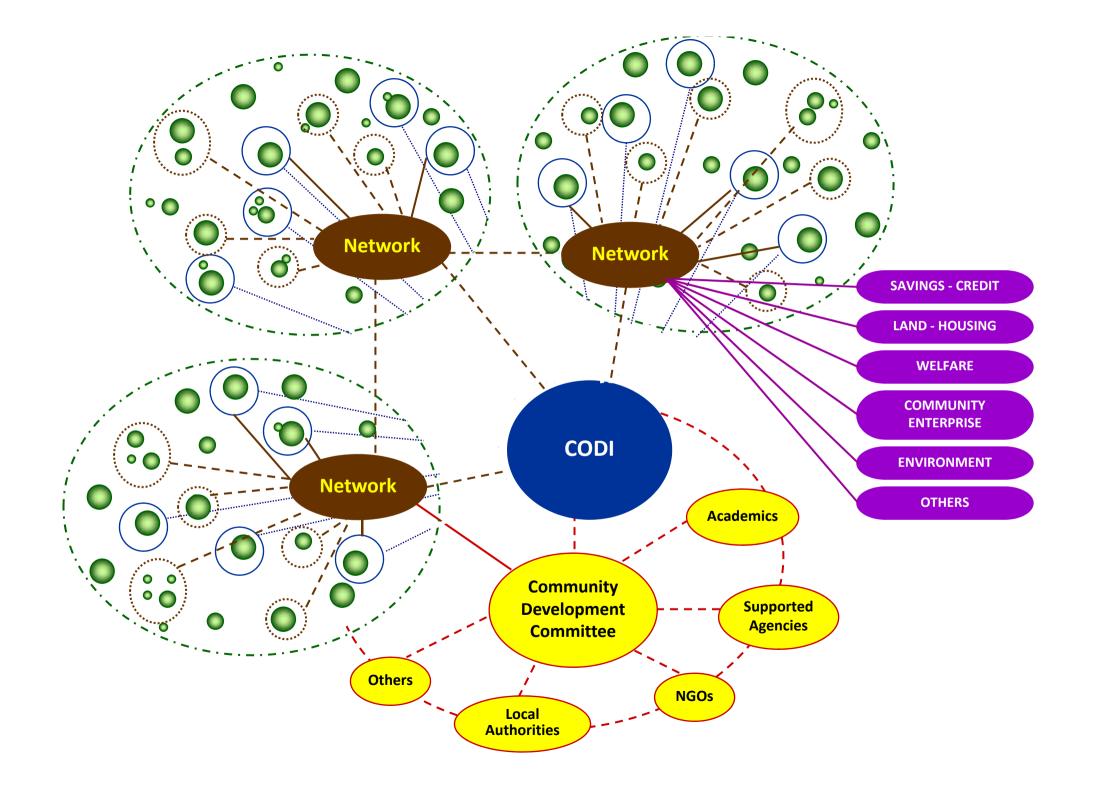
### The new paradigm shift

#### For housing development by people in action

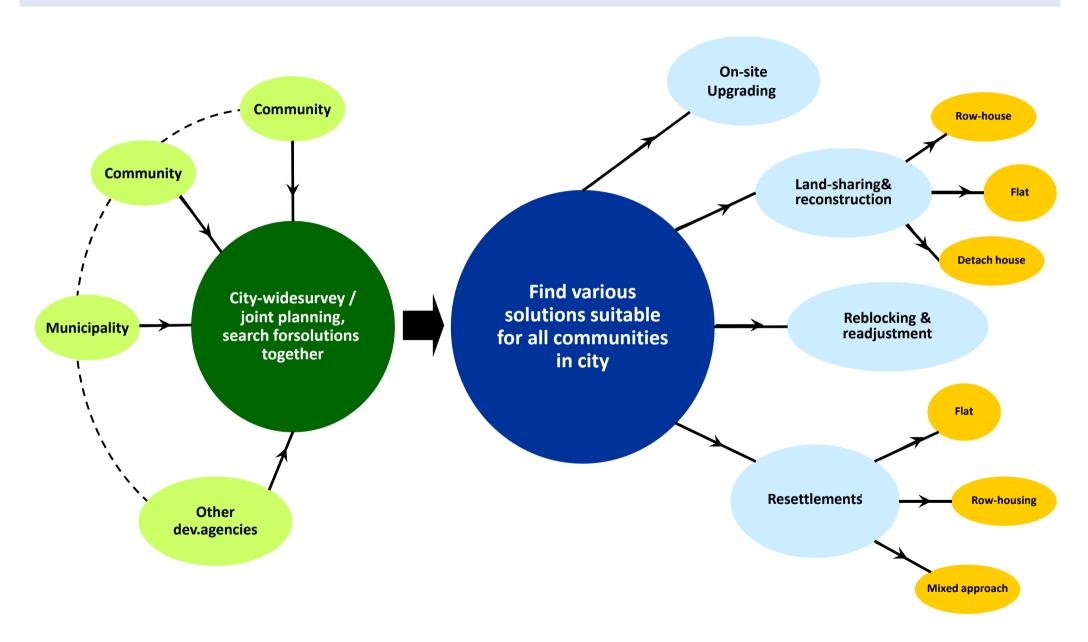
- 1. Community organizations are the owners of projects
- 2. Change from supply driven to "Demand Driven by communities"
- 3. Change the approach from construction management to flexible financial management allowing community and local partners to work together
- 4. Urban land reform for urban poor housing by land survey and community negotiation
- 5. holistic upgrading process to build strong and secured community organization and managerial capacity as a collective group for integrated physical, economic and social improvement
- 6. City-wide development process covering all communities in the city

### **CODI:Community Organization Development Institute**

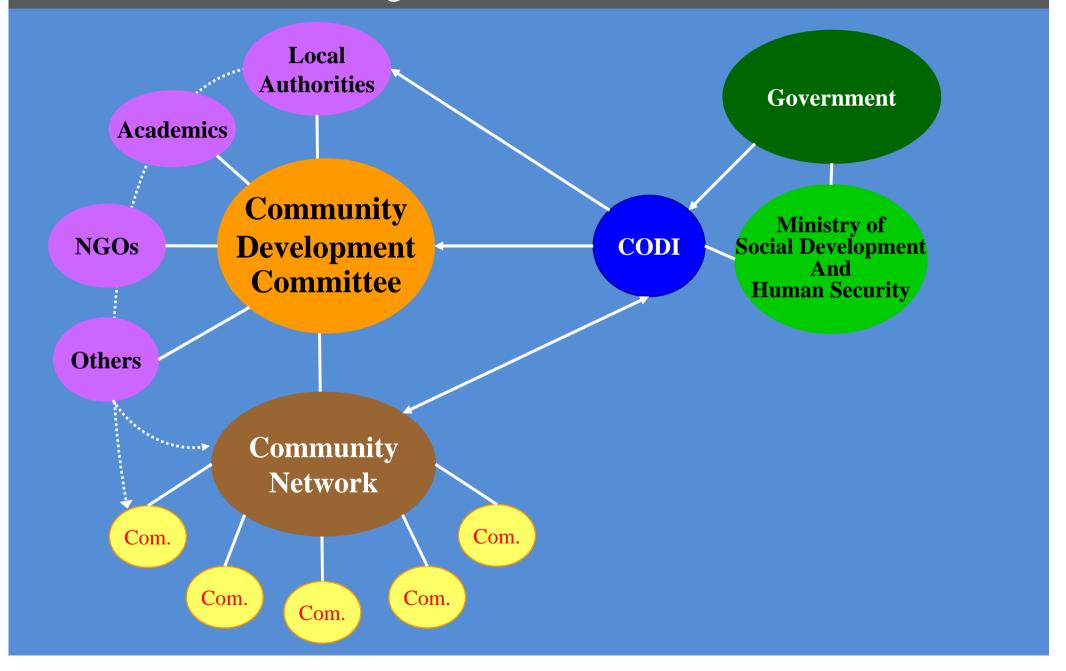




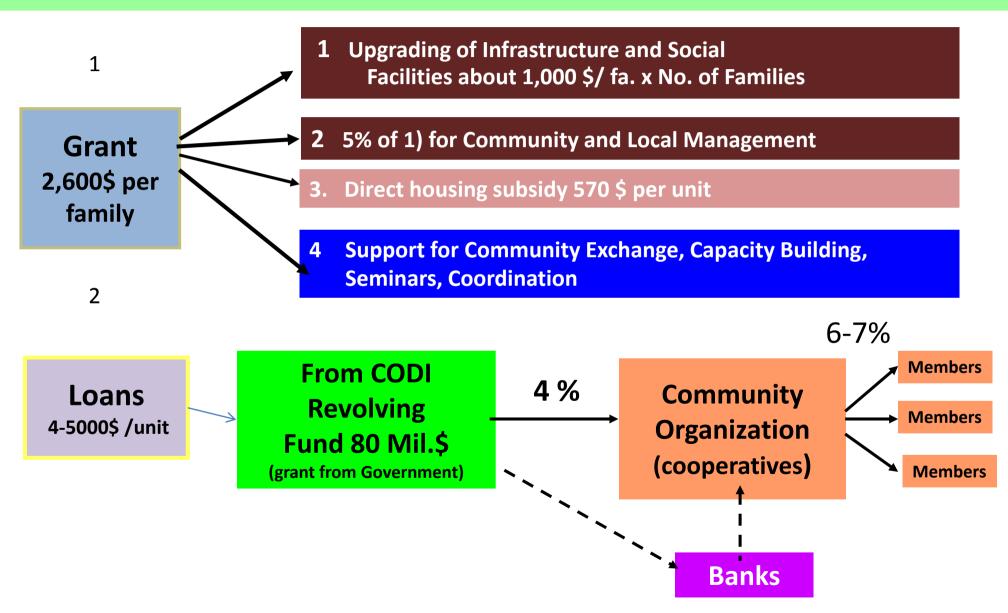
## City-wide upgrading involving many possible city development actors and find various secured housing solutions for all communities in the city



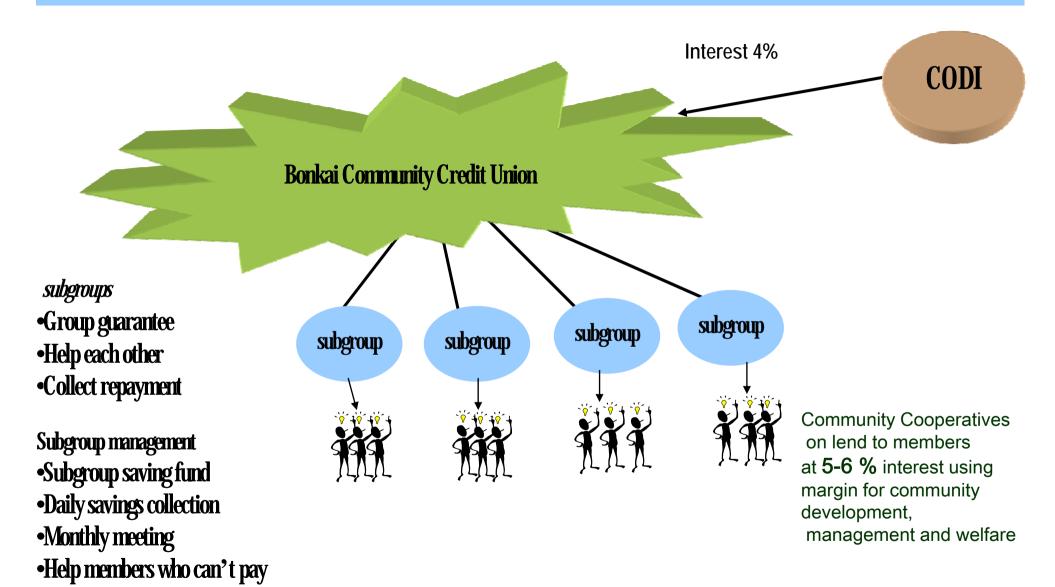
### Project Mechanism



# **Providing Flexible Financial Support for City-wide Upgrading by Communities**



### Whole sale loan from CODI to community cooperatives and Development of sub-groups in new com. management



### **Community Saving Activities**

Saving people, saving money, saving group managerial capacity
And building community financial system
for long term sustainable community and housing development



## Community Survey all communities in districts and city

Community survey of all households In the community and city carried out by community people







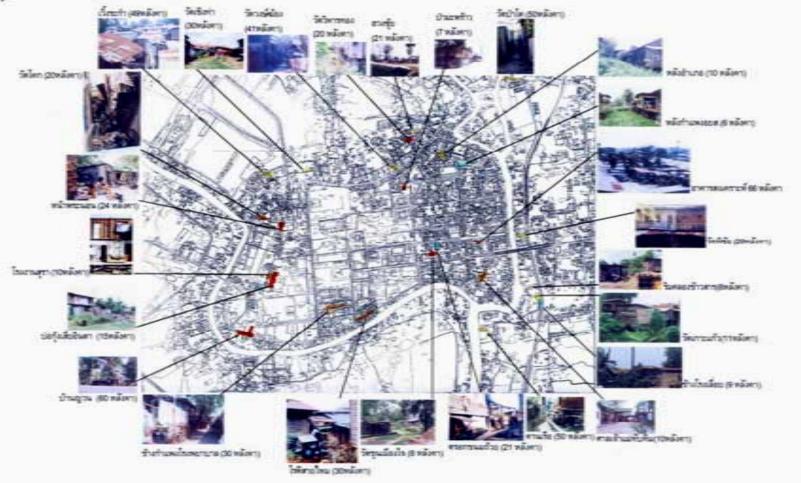


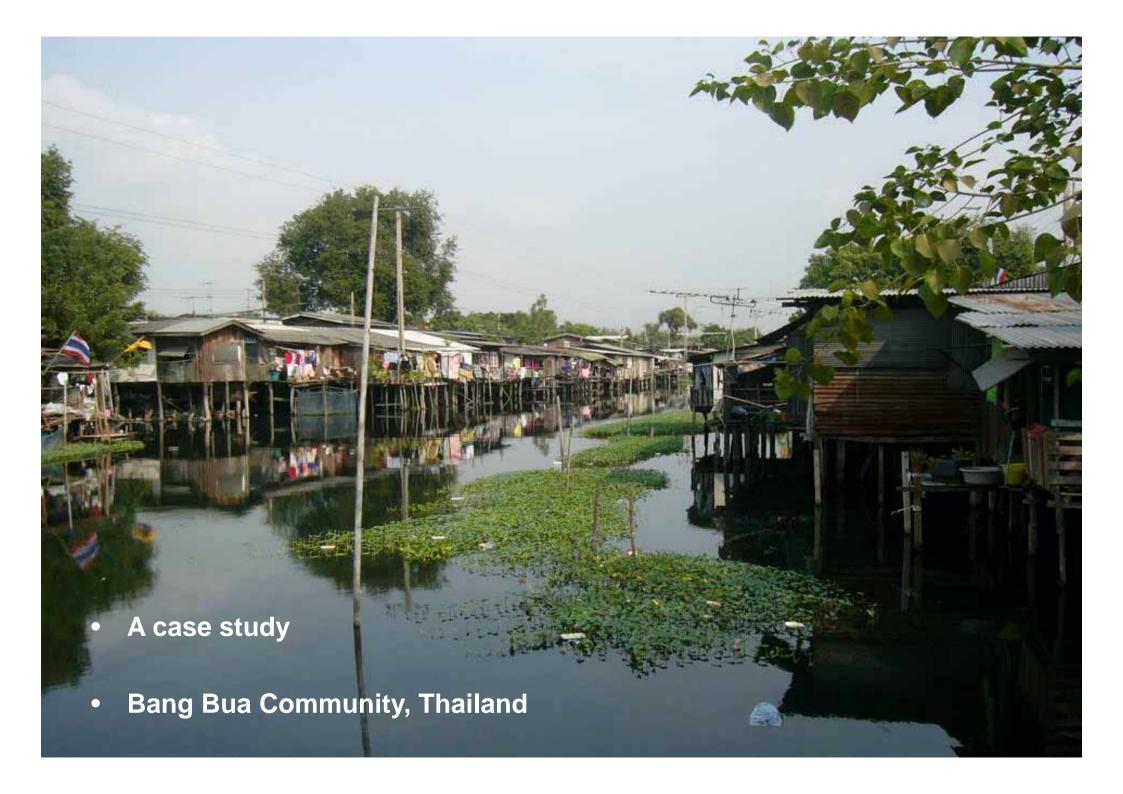
#### **City – wide Upgrading**

#### ผังแสดงตำแหน่งกลุ่มชุมชนที่มีปัญหาเรื่องที่อยู่อาศัยจำแนกตามเจ้าของที่ดิน

🔲กลุ่มที่บุกรุกที่ดินสาธารณะ (36 หลังคา)

พลังอำเภอ /คานเรือ / ชวงชุ้ย / วัดพิชัย / วัดวงษ์น้อง / วัดเชิงท่า / วัดป่าโค / วัดเกาะแก้ว / ริมคลองข้าวสาร / เวิ้งระกำ ตรอกขนมถ้วย / ข้างโรงเลื่อย / หลังกำแพงอยส.











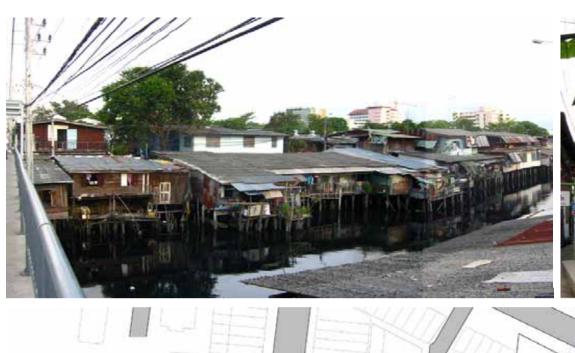


























#### BANG BUA COMMUNITY

No. of Households: 264

Location: Phaholyothin Road, Soi.49/2

Joined BMK in 2003

Type of BMK: Reconstruction

C: The main open space is currently used for a playground, football field and for special ceremony and festive events. The architect intended to keep traces of community's old small walkway, trees and ponds, which existed before the reconstruction. There is a plan to build a community nursery and community learning centre in the near future. Recently,

the community got some financial support from Action-Aid for the construction work. Along the canal bank, there are designated points for weekly garbage collection by the boat from the District Authority.

F: This community centre was built on land that was formerly occupied by Uncle Sanit. After many negotiations and also social pressure, his land was redistributed equally to others, and one part was given to the community centre. The building offer an office and a multipurpose space for the community to hold meetings and workshops. The women's group, which set up a small catering enterprise, also uses the space to run their activities regularly. This group has generated income for housewives in the community. A youth group has also actively runs activities to generate income, such as producing artificial flowers and growing vegetables in the canal for sale to some local schools. At this centre, there is an old tree that the locals pay great respect to and set up a solid house for this free.

G: This compound of self-built houses is owned by a local builder, who lives with his relatives. Self-building is an alternative for the family to save on their construction costs. These skilled community builders eventually formed a network and set up as a community enterprise to help build other Baan Mankong housing projects. At Bang Bua in particular, the community builders, together with community cooperative, set up a "Horne Service Centre" which provides construction services to the public, in order to generate more



A: This multi-purpose pavillon was used as a meeting space of the Bang Bua community members during the participatory planning process with COOI and architects.



B: Baan Klang ["welfare house"]. The community built two welfare houses to accommodate the poorest, elderly and disabled people who have nobody to look after them. The houses were financed by community members collectively with a small subsidy from CODI. These people five downstains, while other rooms upstains are occupied by renter families who have leved in this community but did not have structure-owner rights. If these renters stay and rent for ten years, then they will get full rights and build their own houses. The rents the community cooperative earns from these rental units will partly be used to feed and take care of those living in the welfare houses, and to build up a fund for faking care of future needy people.

D: Some rows of houses have electrical lines passing through them. That is because the Electric Generation Authority of Tholiand, which was supposed to move the electric poles three meters away from the site, did not cooperate well at the beginning of the pogram. The community recently got some financial support from the District Authority to relocate these electric poles. But it took them years to get this done.



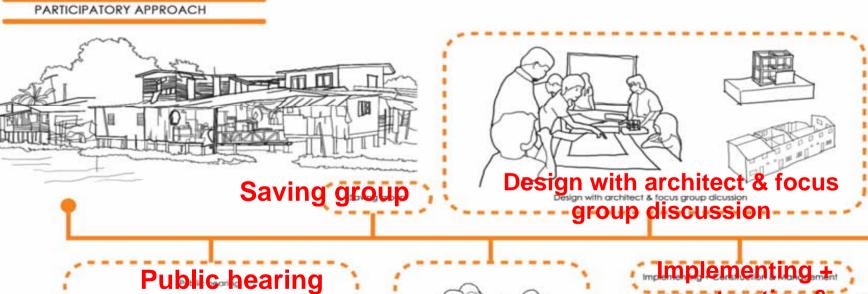
E The main entrance to this community is from Phatholyothin Road, Sol 49/2. In the past, Uncle Sanit, a former community leader, asked a local politician to help the community to negatiate with the adjacent military base to open this access for the locals.

H: The first phase of this community is a group of houses planned next to a small garden. These houses became examples to help other community members to visualise what their house would look like. Khun Tari's house was the first house built here, since her old wooden house was badly decayed. The house of Mr. Prapas, a community leader, was also built in this first phase. Though his family once owned a big plot of land with rental houses, the family agreed to participate in Baan Mankong program and built a smaller house. Mr. Prapas considered that his position as a leader and a pioneer in the upgrading process would encourage others to participate in the upgrading program. In these ways, the first visible, physical changes the upgrading process starts bringing about work to give people falth in the upgrading program.

I: This community library in Bang Bua was supported by the Bang Khen District Authority, as a pilot project. The district's support includes paying the salary of one librarian at \$200 a month. This library is going to be shared between the Bang Bua community and the Roanmai Pattana community nearby.





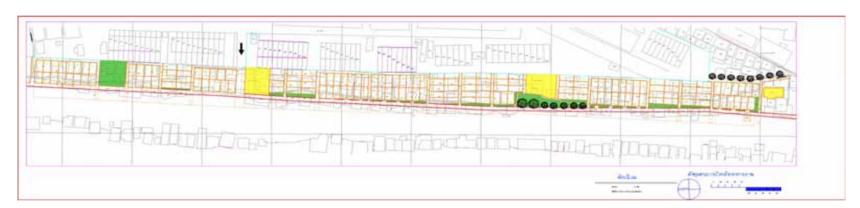












Existing canal community and the new reconstruction plan

165 plots in 1<sup>st</sup> phase and plot side 5 x 10 sqm.











Every house has its own water treatment and children/youth participation in water clean up



### Building new secured community

- Collective land ownership, or lease
- Community savings and fund (acting as community bank)
- Welfare activities: scholarship, children, youth, elderly, sick and advantaged, dead
- Active linking with community network and city organizations and regular meeting
- Collective management
- Active citizen, closer or regular link with local authority

# Urban poor housing development is an investment, not only social expenses

### Input:

- Government subsidy 2,000 \$
- Loan for land/housing average 4,500 \$ ( to be repaid)
- Community contribution 500 \$
- Other contribution 500s

Total investment 7,500 \$ (govt. less than 30%)

### **Output: For urban poor family**

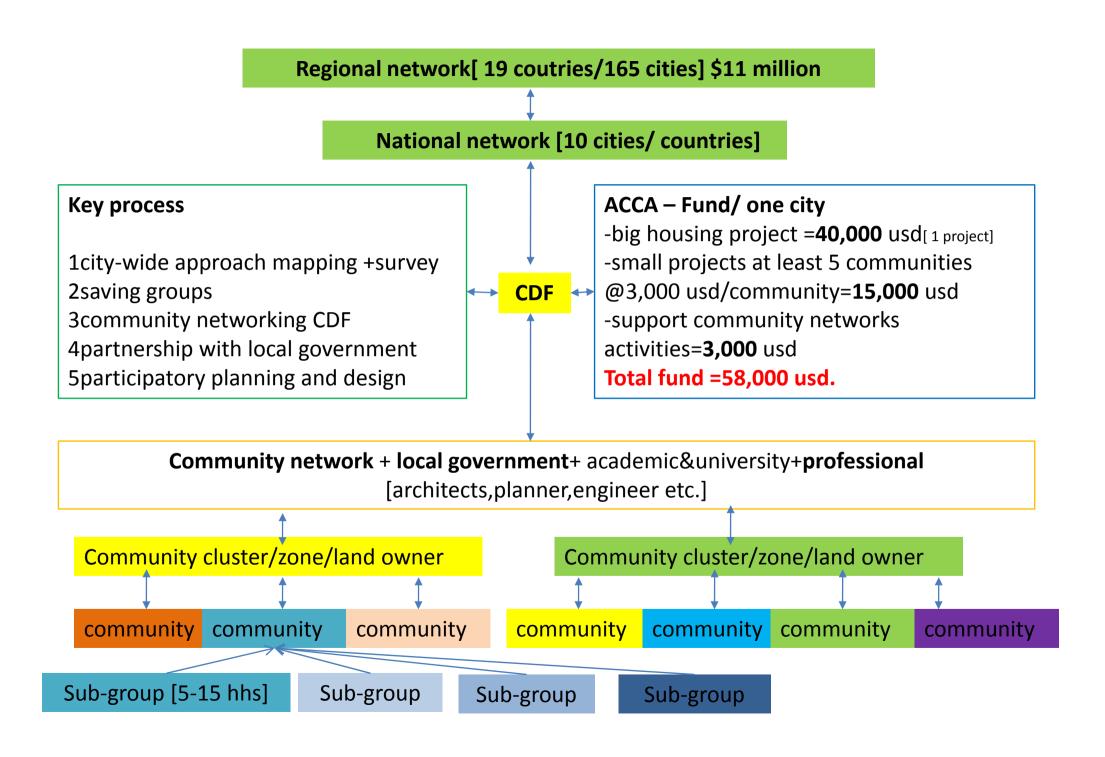
- 1. Economic Assets for the urban poor family more than 15,000 USD
- 2. Legitimacy ,and security
- 3. Healthy environment
- 4. Community asset: Community organization, welfare, better social cohesion
- 5. Political asset of active community network and participation

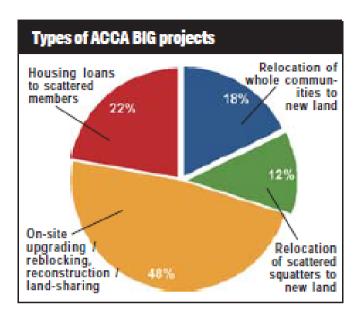
### Some Achievement and Impact:

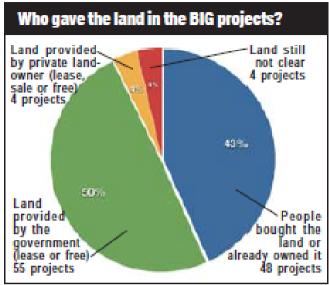
- Community upgrading and housing development 850 projects in 270 cities total 92,000 families
- Community organizations and networks in more than
   300 cities with information and partnership with cities
- City Development Fund as alternative community finance organize in 205 cities with welfare funds, income generation, insurance and housing development
- Change in the regulation, lower standard, attitudes from policy, land owners, cities and the public

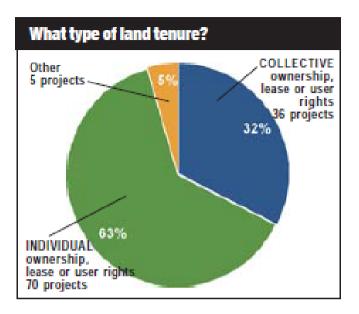










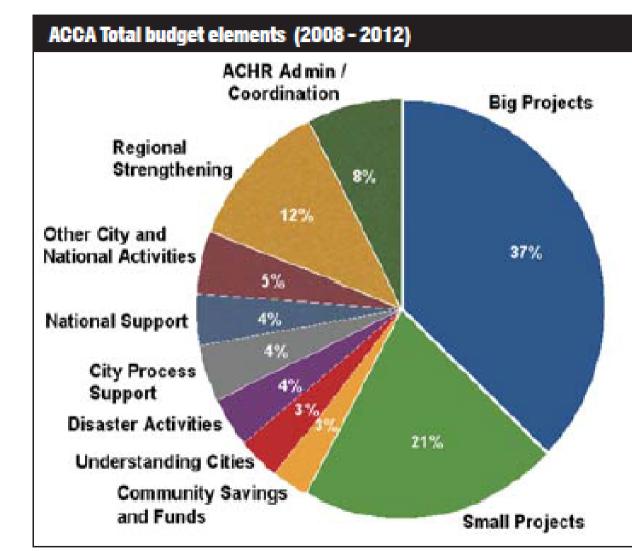


| TYPES of big projects:  |             |     |
|---|-------------|-----|
| <ul> <li>Relocation of whole communities to new land</li> </ul>       | 20 projects | 18% |
| <ul> <li>Relocation of scattered squatters to new land</li> </ul>     | 14 projects | 12% |
| <ul> <li>On-site upgrading or reconstruction</li> </ul>               | 54 projects | 49% |
| <ul> <li>Housing loans to scattered members</li> </ul>                | 23 projects | 21% |
| Who provided the LAND?  |             |     |
| People purchased land or already owned it                             | 48 projects | 44% |
| <ul> <li>Land provided by government, free or leased</li> </ul>       | 55 projects | 50% |
| <ul> <li>Land provided by private landowner, free or lease</li> </ul> | 4 projects  | 3%  |
| <ul> <li>Land occupied without formal tenure</li> </ul>               | 4 projects  | 3%  |
| LAND TENURE in the big projects:                                      |             |     |
| Collective land ownership or leasehold                                | 36 projects | 32% |
| <ul> <li>Individual ownership or leasehold</li> </ul>                 | 70 projects | 63% |
| Tenure remains uncertain  | 5 projects  | 5%  |

#### Original ACCA TARGETS:

The ACCA program set a target of achieving 150 cities within 3 years (2009-2011), with the following elements:

- 750 small upgrading projects (@ \$3,000 each)
- 100 big housing projects (@ max \$40,000 each)
- at least 100 city-based community development funds
- community savings
- citywide survey and information
- city-wide upgrading action plans
- community networks
- partnership with these cities
- understanding Asian cities research / projects
- community-led disaster rehabilitation



This diagram shows how the ACCA Program budget has been spent, with about 74% of it going directly into the hands of poor people, enabling them to do real housing and upgrading projects on the ground. Another 18% of the budget goes to capacitybuilding activities, and only 8% goes to administration and coordination (ACHR and IIED). These figures are in sharp contrast to the budgets of most expensive and topheavy international development projects, where management and overhead costs eat up 30% to 50% of project budgets, and only a pittance actually makes its way into the hands of the poor. We have maintained these proportions throughout the program.

| COMMUNITY FINANCE (August 2012) Summary of community savings and community funds in ACCA cities (all figures in US\$) |               |                     |                     |                               |                 |                             |                             |                           |                             |                              |
|---|---------------|---------------------|---------------------|-------------------------------|-----------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|------------------------------|
|   |               | SAVING              | S                   |                               | CITY-BA         | SED COMI                    | MUNITY FU                   | INDS                      |                             |                              |
|   | #ACCA cities  | # savings<br>groups | #savings<br>members | Total<br>savings              | # city<br>funds | Funds from<br>ACCA          | Funds from communities      | Funds from government     | Funds from<br>other sources | Total capital<br>in funds    |
| 1. CAMBODIA   | 20            | 283                 | 9,738               | 297,580                       | 15 funds        | 410,000                     | 120,291                     | 25,100                    | 11,200                      | 566,591                      |
| 2. INDONESIA  | 10            | 141                 | 2,610               | 20,460                        | 1 fund          | 3,100                       | 4,500                       | 0                         | 0                           | 7,600                        |
| 3. NEPAL  | 11            | 300                 | 6,804               | 638,767                       | 4 funds         | 160,000                     | 0                           | 102,001                   | 13,572                      | 275,573                      |
| 4. BURMA  | 7             | 72                  | 1,919               | 56,730                        | 4 funds         | 177,400                     | 17,336                      | 0                         | 10,700                      | 205,436                      |
| 5. KOREA  | 4             | 7                   | 212                 | 51,600                        | 0 funds         | 0                           | 0                           | 0                         | 0                           | 0                            |
| 6. PHILIPPINES  | 20            | 1,270               | 23,741              | 414,464                       | 11 funds        | 441,385                     | 302,578                     | 250                       | 65,249                      | 809,462                      |
| 7. VIETNAM  | 16            | 1,823               | 29,265              | 1,465,616                     | 14 funds        | 586,390                     | 0                           | 234,500                   | 284,076                     | 1,104,966                    |
| 8. SRI LANKA  | 9             | 747                 | 7,848               | 1,330,048                     | 0 funds         | 0                           | 0                           | 0                         | 0                           | 0                            |
| 9. MONGOLIA   | 17            | 189                 | 3,333               | 53,824                        | 12 funds        | 18,717                      | 4,713                       | 5,576                     | 7,210                       | 36,215                       |
| 10. FIJI  | 7             | 985                 | 9,840               | 97,760                        | 5 funds         | 254,000                     | 0                           | 107,000                   | 10,000                      | 371,000                      |
| 11. THAILAND  | 8             | 86                  | 14,773              | 1,687,120                     | 7 funds         | 160,000                     | 1,333,552                   | 120,332                   | 0                           | 1,613,884                    |
| 12. INDIA   | 2             | 51                  | 800                 | 4,913                         | 1 fund          | 40,000                      | 840                         | 0                         | 1,600                       | 42,440                       |
| 13. LAO PDR   | 24            | 546                 | 151,459             | 16,237,568                    | 22 funds        | 482,000                     | 37,504                      | 500                       | 169,757                     | 689,761                      |
| 14. PAKISTAN  | 5             | 23                  | 743                 | 21,000                        | 1 fund          | 20,000                      | 0                           | 0                         | 10,000                      | 30,000                       |
| 15. CHINA   | 1             | 0                   | 0                   | 0                             | 0 funds         | 0                           | 0                           | 0                         | 0                           | 0                            |
| 16. JAPAN   | 1             | 0                   | 0                   | 0                             | 0 funds         | 0                           | 0                           | 0                         | 0                           | 0                            |
| 17. BANGLADESH  | 2             | 321                 | 10,154              | 116,295                       | 1 fund          | 43,000                      | 3,528                       | 0                         | 0                           | 46,528                       |
| 18. MALAYSIA  | 1             | 1                   | 6                   | 98                            | 0 funds         | 0                           | 0                           | 0                         | 0                           | 0                            |
| 19. AFGHANISTAN   | 2             | 27                  | 989                 | 2,257                         | 0 funds         | 0                           | 0                           | 0                         | 0                           | 0                            |
| TOTAL   | 167<br>cities | 6,872<br>groups     | 274,228<br>members  | \$22,496,100<br>total savings | 98 funds        | \$2,795,992<br><i>(48%)</i> | \$1,824,842<br><i>(31%)</i> | \$595,259<br><i>(11%)</i> | \$583,364<br><i>(10%)</i>   | \$5,799,457<br><i>(100%)</i> |

### **SMALL ACCA Projects:**

(as of November, 2012)

Total number of projects approved in three years: 949 projects

Total number of projects actually implemented: 1,185 projects in 963 communities, in 158 cities, in 18 countries

Total small project budget approved US\$ 2,189,300

Budget contributions to the 963 small projects (actuals, in US\$):

- ACCA \$2,046,426 (33%)
- Comm. \$1,253,744 (20%)
- Govmnt. \$2,620,083 (42%)
- Other \$395,145 (5%)
- Total \$6,284,949 (100%)

Number of households who directly benefit from these small projects : 145,990 households















### **BIG ACCA Projects:**

(as of November 30, 2012)

Total number of big projects approved in three years: 111 projects

Total big project budget approved US\$ 3,929,767

Number of households who benefit from these projects:

- 8,611 households (directly)
- 79,284 households (indirectly)
- 42,760 households (got secure land tenure through the projects)

Status of the 111 big projects:

- Fully completed (47 projects)
- More than 50% done (24 projects)
- Less than 50% done (30 projects)
- Not yet started (10 projects)













# Small community projects

Intend to be small concrete development projects implemented by communities such as infrastructure, water, sanitation, toilets, gardens, community buildings, markets, etc.,.

- -To solve immediate needs, and make concrete change
- -To allow community to deliver the physical and visible change together
- -Small scale support for small scale improvement by communities
- -To use as tools for negotiation with relevant organizations
- -support upto 60% of total budget

# Proposed 3,000 \$ per project

Calculating maximum 5 projects for one city so total about 15,000 \$

As small community project grants or revolving fund (it could finally

be more than 5 projects on sharing basis) in city-wide small upgrading



Plan together

Build together

Manage together

With strong feeling of ownership













# New politics of Cooperation and building LOCAL PARTNERSHIP



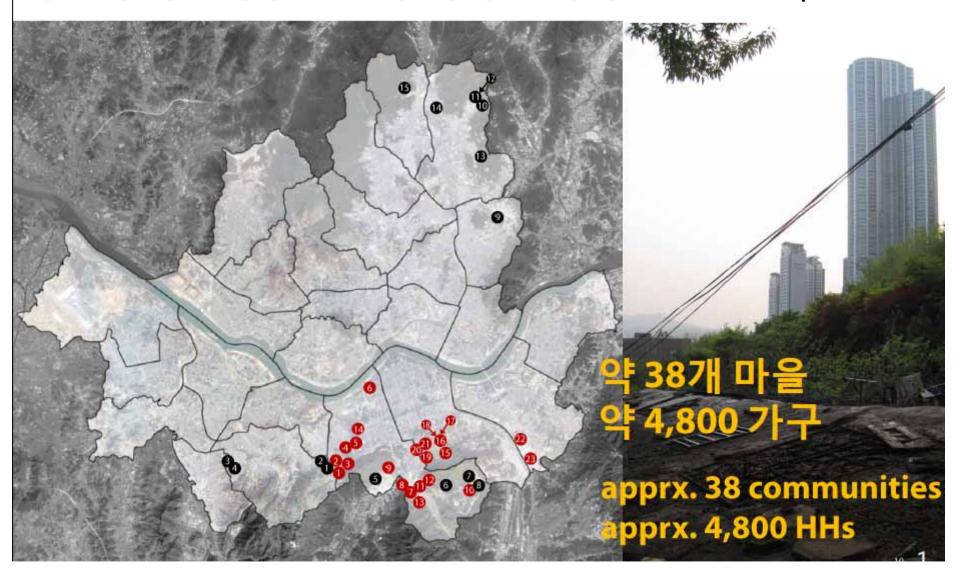
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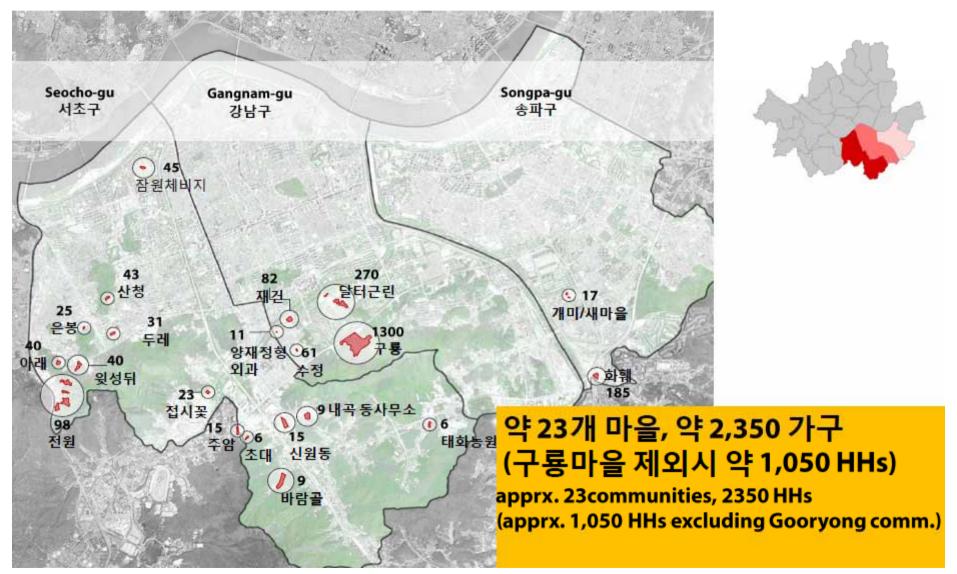




# 서울시 비닐하우스촌/무허가촌 위치 Location Map



## 비닐하우스촌위치 – 서초, 강남, 송파구



### 마을 현황 개요 (서초, 강남 및 송파구)

**Brief Information on Communities** 

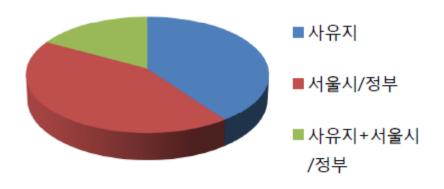
- in 3 districts (Seocho, Gangnam and Songpa)

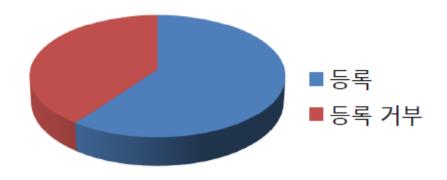
#### 토지 문제 Land ownership

사유지 거주 40%, 사유지와 시유지가 혼합된 토지 정주마을 17%, <u>시유지 거주마을 43%</u>

#### 현 거주지로 주소지 등록 인가 여부

2009년 이후 법적으로 주소지 등록이 가능해 졌으나, 40%가 넘는 마을이 주소지 등록을 거 부당함.





# 토지협상과 건축방식은 어떤 식으로 가능할까? Possible Negotiation Strategies for Land Acquisition & Financing construction cost

# Type of Ownership and Management (소유/관리 유형에 따른 분류)

| Possible Options | LAND                                    | HOUSE (주택)  |   |  |  |
|------------------|---|---|---|--|--|
| (선택가능한 방법)       | (토지)                                    | CORE STRUCTURE and BASIC SERVICE                    | INTERNAL FURNISHIN                            |  |  |
| OPTION 1         | Rent from GOV.<br>정부로 부터 임대             | GOV. invest and people payback in refee             |   |  |  |
| OPTION 2         | Rent from GOV.<br>정부로 부터 임대             | GOV. invest and pe<br>ople payback in<br>rental fee | People will increme ntal build by thems elves |  |  |
| OPTION 3         | Rent from GOV.<br>정부로 부터 임대             | GOV. subsidy for the cost                           | People will incremental build by themselves   |  |  |
| OPTION 4         | Buy from GOV.<br>정부로 부터 매입              | Hire contractor                                     | People will incremental build by themselves   |  |  |
| OPTION 5         | Buy from Private o<br>wner<br>민간으로부터 매입 | Hire contractor                                     | People will incremental build by themselves 7 |  |  |

집을 지으려면 우리가 얼마나 필요할까? Can we afford the cost for housing?

### Budget Planing (사례 가정을 통한 예산 계획안)

### Basic Suppositions (기본 가정조건)

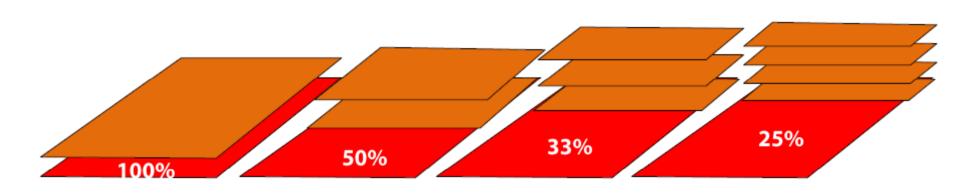
- Total Land Area (토지면적): 1,800 m² (550평)
- Total Number of Households (총 세대수): 80 (1-2 인: 5, 2-4인: 70, >4 ppl: 5)
- Land Price (토지공시지가): 450,000 KRW/m² (45만원/m²)
- Standard Construction Cost (Government): 1,630,000 KRW/m² (163만원/m²)
   국토해양부 2012년 임대주택 표준건축비 (5,380,000 KRW/py, 540만원/평)
- Construction Cost (Community) (apprx): 1,210,000 KRW/m² (**121만원/m²**) 협동조합형 주택 평균 건축비 (가정): 4,000,000 KRW/py, **400만원/평**)

# Calculation (세부내역 산정)

| Co-operative Social housing  |    | Ar<br>면적/ | ea<br>'가구 | Total<br>총 필요 ? |                   |                      | nstruction d<br>구당 건축 |                    |
|--|----|-----------|-----------|-----------------|-------------------|----------------------|-----------------------|--------------------|
| (협동조합형 사회적 주택)   | 구수 | m²        | PY        | m²              | PY                | 1,210,000<br>W/m²/hh | 4,000,000<br>W/PY/hh  | \$3,600 m²<br>/hh) |
| Households (1-2 people) - 세대수  | 5  | 26        | 8         | 130             | 39                | 3150만                | 3150만                 | \$28,000           |
| Households (2-4 people) - 세대수  | 70 | 70        | 21        | 4,900           | 1,485             | 8500만                | 8500만                 | \$77,000           |
| Households (More than 4 people)  | 5  | 82        | 25        | 410             | 124               | 9900만                | 9900만                 | \$90,000           |
| Total of Households (총 세대수)  | 80 |           |           | 5,440           | 1,648             |                      |                       |                    |
| community + open space<br>(30% of total area)<br>공동체 공간 + 야외 공간                |    |           |           | 1,632           | 495               |                      |                       |                    |
| Total Area for<br>Cooperative Social Housing<br>(협동조합형 사회적 주택에 필요<br>한 총 토지면적) |    |           |           | 7,072<br>m²     | <b>2,143</b><br>평 |                      |                       |                    |

# Calculation, continued (세부내역 산정,계속)

| Possible option for size of the land   | A ( 2 )   | Tota<br>Land P       |                    | Total<br>Land Price    |
|--|-----------|----------------------|--------------------|------------------------|
| (토지 크기에 따른<br>선택가능한 방법)                | Area (m2) | <b>450,000 W/</b> m² | <b>410 USD/</b> m² | per HHs<br>가구당<br>토지비용 |
| Option 1: Ground Floor House (1층<br>집) | 7,072     | 32억 원                | 7,762,000          | 4000만 원                |
| Option 2: 2-storey House (2층집)         | 3,536     | 16억 원                | 3,881,000          | 2000만 원                |
| Option 3: 3-storey House (3층집)         | 2,357     | 11억 원                | 2,587,000          | 1300만 원                |
| Option 4: 4-storey House ( <b>4층집)</b> | 1,768     | 8억 원                 | 1,940,000          | 1000만 원                |



# Calculation, continued (세부내역 산정, 계속)

### 협동조합형 사회적 주택 예산 상세 (토지매입 경우 전제)

| Total Budget for Cooperative Social Housing (Including Land Conditions: To buy) | on ground    | 2-storey        | 3-storey  | 4-storey |
|---|--------------|-----------------|-----------|----------|
| Total cost for community (KRW)  | 98억 원        | 82억 원           | 76억 원     | 74억 원    |
| Total cost per household (가구당 소요  | 비용)          |                 |           |          |
| Households (1-2 people)   | 7100만 원      | 5100만 원         | 4500만 원   | 4100만 원  |
| Households (2-4 people)   | 1억 2500만     | 1억 500만         | 9800만 원   | 9500만 원  |
| Households (More than 4 people)   | 1억 4000만     | 1억 1900만        | 1억 1200만  | 1억 900만  |
| Total cost per housing per year (Total  | 20 years) (7 | <b>가구당 매년</b> 소 | 요비용, 총 20 | 년간)      |
| Households (1-2 people)   | 360만 원       | 260만 원          | 220만 원    | 210만 원   |
| Households (2-4 people)   | 620만 원       | 520만 원          | 490만 원    | 470만 원   |
| Households (More than 4 people)   | 700만 원       | 600만 원          | 560만 원    | 550만 원   |
| Total cost per housing per month (가   | 구당 매월 소의     | 요비용)            |           |          |
| Households (1-2 people)   | 300,000      | 210,000         | 190,000   | 170,000  |
| Households (2-4 people)   | 520,000      | 440,000         | 410,000   | 390,000  |
| Households (More than 4 people)   | 580,000      | 500,000         | 470,000   | 460,000  |

### Calculation, continued (세부내역 산정,계속)

협동조합형 사회적 주택 예산 상세 (20년 상환 가정, 건축비만계산, <u>토지매입 경우 배제</u>)

| Total Budget for Cooperative Social Housing (Excluding Land Conditions: Whether to rent |         |
|---|---------|
| or get from the government)   |         |
| Total cost for community (KRW) 총 건축비  | 66억 원   |
| Total cost per household  |         |
| Households (1-2 people)   | 3100만 원 |
| Households (2-4 people)   | 8500만 원 |
| Households (More than 4 people)   | 9900만 원 |
| Total cost per housing per year (Total 20 years)  |         |
| Households (1-2 people)   | 160만 원  |
| Households (2-4 people)   | 420만 원  |
| Households (More than 4 people)   | 500만 원  |
| Total cost per housing per month 20년 상환시 가구당 월별 예상 상환액                                  |         |
| Households (1-2 people) 1~2인 가구   | 13만원    |
| Households (2-4 people) 2~4인 가구   | 35만원    |
| Households (More than 4 people) 4인가구 이상   | 41만원    |

### Comparison of Results (결과 비교)

### 정부 공공임대주택과 협동조합형 사회적 주택의 총 건축비 비교

|  | 일반 공동임대주택<br>Rental Public<br>Housing (A1) | 협동조합형 사회적<br>주택<br>Community-led<br>Construction (A2) | A2/A1 (협동조합형<br>사회적주택/공공임<br>대주택) |
|--|--|---|-----------------------------------|
| Total Construction Costs (Excluding Land Prices) | 89억 원<br>(평당 건축비 538만 원)                   | / 113 CF /3 == H1 /11 11 11 11                        | 74.2%                             |

### 정부 공공임대주택과 협동조합형 사회적 주택의 월 분납비용 비교

|                                | Rental Public<br>Housing                     | Community-led Construction |                         |                         |  |  |  |
|--------------------------------|--|----------------------------|-------------------------|-------------------------|--|--|--|
| 20년 상환 월<br>상황금(예상)            | KRW 300,000<br>~ 600,000                     |                            | 토지 장기임대<br>Renting Land | 시유지 무상임대<br>Gov't grant |  |  |  |
| Monthly Payment (for 20 years) | (Deposit: KRW<br>30,000,000<br>~ 60,000,000) | KRW 170,000<br>~ 460,000   | ± (A)                   | KRW 130,000             |  |  |  |



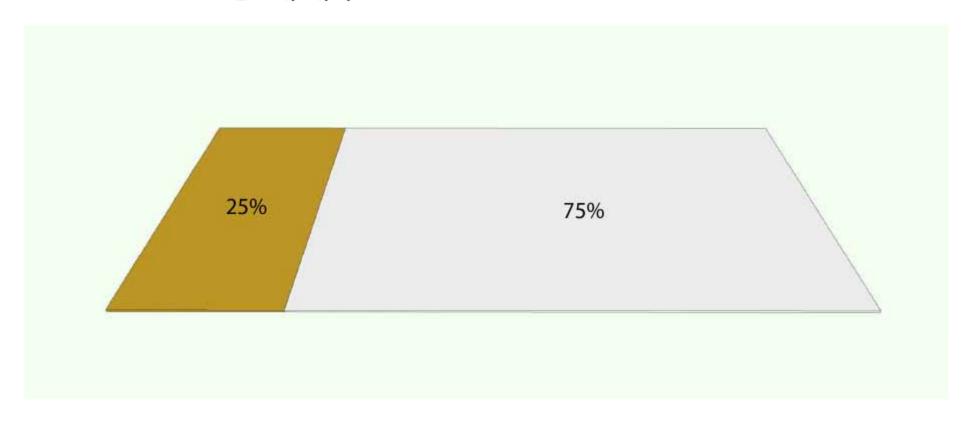
LAND AREA (토지면적): 7,800 sqm. (2,300 평)

No. of HH (총 세대수): 80



LAND AREA(토지면적): 1,800 sqm. (550 평)

No. of HH (총 세대수): 80



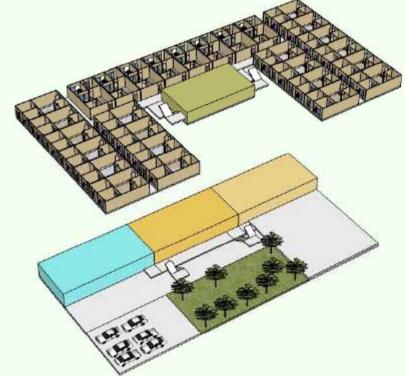
# LAND AREA (토지면적): 1,800 sqm. (550 평방미터)

No. of HH (총 세대수): 84





# Garden (야외공간)



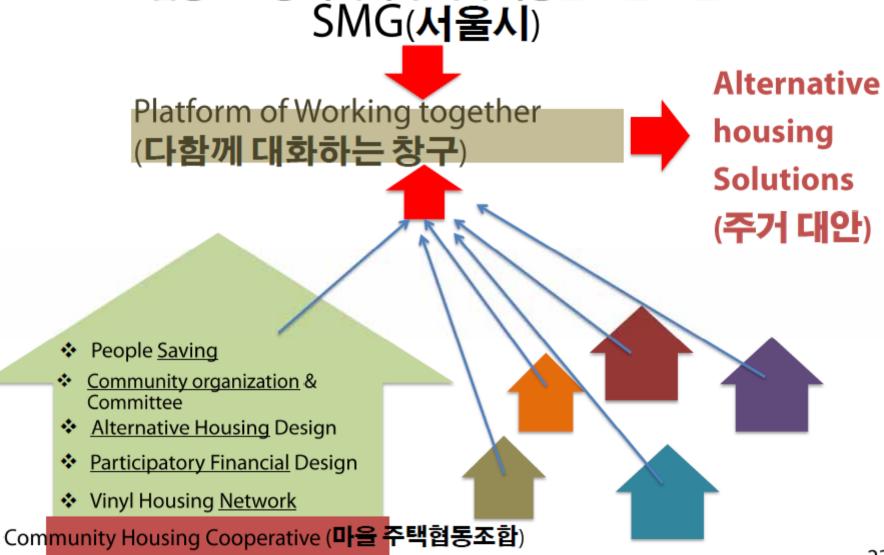
Residential (주거공간)

Community (마을 공동체 공간)



Perspective View (투시도)

# Possible Model Approaches for Cooperative Social Housing (협동조합형 사회적 주택의 가능한 접근 모델)







### 2012

- Looking for sub-regional mechanism
- Ground ourself with community, and city scale
- Link with global academics

- Emerging of new groups
- Working together in many cities (exchange and learning process) Emerging of new Yps, linking with universities
- Start producing handbooks

Fiji 😽

2010

- 1st regional community architect meeting
- CAN was formed as the network

2009

- ACCA program started

- June, 2 coordinators at ACHR

Since 2009 CAN create link with

27 CA groups in 18 countries

33 universities in 10 countries

30 workshop in 12 countries

- Scattering friends working in different spots

More than 2000 students, YP, and communities involved in Workshop

