Intertwining Big Events and Urban Strategy within Life Cycle Analysis: the case of Solo, Central Java, Indonesia

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Outline

1. Solo Profile
2. Theoretical Framework
   - life cycle analysis and pulsar effect
3. Analysis
   - Solo Behavior Plan-process
   - Solo Urban Changes 2005-2010
   - Solo Budgeting for investments
   - Solo’s Big Event
4. Conclusion
Solo Profile

Official Name: Surakarta Municipal
Area: 44,04 km²
People: 522,935 (2008)
Density: 11,869 inhab/km²

Land Uses in Urban Area:
• Housing: 62,01% (major area)

Administrative status:

- Jakarta: national capital
- Semarang: regional capital
- Solo: municipality
Solo Urban Changes

- **1998**: Economic & Political Crisis
- **1999**: Autonomy Era & Public Participation (PP) started
- **2000**: Solo Vision
- **2001**: New Planning Era
- **2002**: Surakarta Mayor - Joko Wi (2005-10 & 2010-15) ACTION
- **2003**: Legal planning issued
- **2004**
- **2005**
- **2006**
- **2007**
- **2008**
- **2009**
- **2010**
- **2011**: APMCHUD

ASIA PACIFIC PARLIAMENTARY FORUM (SEPT-2011)
Public Participation
Meeting of Development Planning (musrenbang)

1999
Autonomy
Local governance
Public services

2000
Government ↔ NGO
Stakeholder consolidation
Foreigner funders

2001
BUILD-BLOCK GRANT
City Mayor 411.2/789 (frame work of Musrenbang)

2003
UNDP; CDS (City Development Strategy)
(free schools, health services, housing)

2009
Community & partners ↔ government:
basic input to arrange city program
Life Cycle Analysis

Graphic 1. Ideal Behaviour of Plan-process Model
(Lourenço, 2003a)

Graphic 2. Behaviour of Expo-98 in Lisbon
(Lourenço, 2010)
HISTORY
- 1999; autonomy era, PP starts
- 2001; Solo Vision
- 2003; new planning born
- 2005; new mayor & starts realistic planning & implementing
- 2007; Legal Planning Regulation Issued
- 2006-2009; intensive action
- 2010; starts intensive living, relocation
Solo Urban Changes 2005-2010

- Green & pedestrian areas
- Informal vendors rearrangement
- Relocation area for housing /market
Housing (fig. 1)

Solo 2005-2010

Empowering People for Better House

Before

After

Reducing Squatter & Slum Area

Before-flooding every year

After - Relocated Area

Solo Elok, Ngemplak Sutan, Mojolaban
Urban Park & Traditional Market

Rearrangement (fig. 2)

Solo 2005-2010

Urban Park

Traditional Market Rearrangement

Before

After
Informal Vendors Rearrangement
(fig. 3)

1. RELOCATION (before)
2. SHELTER (before)
3. GALABO (before)

RELOCATION (after)
SHELTER (after)
GALABO (after)
## Solo Changes Resume

<table>
<thead>
<tr>
<th>INFORMAL VENDORS</th>
<th>Solo Changes</th>
<th>NUMBER in 2006</th>
<th>06</th>
<th>07</th>
<th>08</th>
<th>09</th>
<th>10</th>
<th>NUMBER in 2010</th>
<th>Changes %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banjarsari Villa Park</td>
<td>989</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>100%</td>
</tr>
<tr>
<td>Manahan Shelter</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>100%</td>
</tr>
<tr>
<td>Gladak Langen Bogan &amp; Ngarsopura street</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NA</td>
<td>100%</td>
</tr>
<tr>
<td>HOUSING</td>
<td>Squatter area in Bengawan Solo River Bank (houses)</td>
<td>300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32</td>
<td>90%</td>
</tr>
<tr>
<td>Empowering people for better houses</td>
<td>6,612</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,887</td>
<td>50%</td>
</tr>
<tr>
<td>Urban Park</td>
<td>750m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>550m</td>
<td>25%</td>
</tr>
<tr>
<td>Traditional Market Rearrangement</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25</td>
<td>50%</td>
</tr>
</tbody>
</table>
## Solo Budget (Table 2)

<table>
<thead>
<tr>
<th>INFORMAL VENDORS</th>
<th>Solo Changes</th>
<th>Investment</th>
<th>Budget</th>
<th>Impact to Local Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banjarsari Villa Park</td>
<td></td>
<td>9.000</td>
<td>Local budget</td>
<td>14.200/year</td>
</tr>
<tr>
<td>Manahan Shelter</td>
<td></td>
<td>800</td>
<td>Local budget</td>
<td>na</td>
</tr>
<tr>
<td>Gladak Langen Bogan &amp; Ngarsopura street</td>
<td></td>
<td>1.100</td>
<td>Local budget</td>
<td>18/month</td>
</tr>
<tr>
<td>HOUSING</td>
<td>Squatter area in Bengawan Solo River Bank (houses)</td>
<td>12(land), 8,5(house), 18(public facilities)</td>
<td>Local budget</td>
<td>intangible</td>
</tr>
<tr>
<td>Empowering people for better houses</td>
<td></td>
<td>2/house</td>
<td>Local budget</td>
<td>intangible</td>
</tr>
<tr>
<td>Urban Park</td>
<td></td>
<td>296</td>
<td>Local budget</td>
<td>intangible</td>
</tr>
<tr>
<td>Traditional Market Rearrangement</td>
<td></td>
<td>50/market</td>
<td>Local budget</td>
<td>12.000/year</td>
</tr>
</tbody>
</table>

*All investments are in Indonesia currency (IDR)*

*intangible: better quality of life
Expenditure increases: development increases → economic; City can earn its own incomes (12%) Surakarta Government, 2010

Tourist number 800,000/year (2-5% are foreigners) (2005-2009)

Welfare for people
Minimum salary standard:
IDR 427,000 (2005) → IDR 785,000 (2008)
APMCHUD 2010, The Big Event
Asia Pacific Ministerial Conference on Housing & Urban Development

1. 3 days event
2. 828 Participants from Indonesia, Qatar, Iran, India, Pakistan, China, United States
3. APMCHUD Committee to hold the event
4. Funding: IDR 12 M (IDR 1,5M (local budget), IDR 10,5M (national budget)
5. Discussion & fieldtrip:
   • Notohardjo Market (fig. 2)
   • Solo Elok Housing (fig. 1)
   • Urban Park (fig.3)
   • Self-Help Housing (fig.1)

Theme of 3rd APMCHUD:
Empowering Communities for Sustainable Urbanization:
Strengthening Local Capacity for Building Local Economy &
Adapting to Climate Change

1st APMCHUD : New Delhi, India (2006)
2nd APMCHUD: Teheran, Iran (2008)
3rd APMCHUD: Solo, Indonesia (2010)
Events happened in Solo:
1. Tourism: many cultural spots
2. Festival: Batik Solo Carnival
3. Asian Football: AFF U-16 match
4. Fairs: APMCHUD, APPF 2011
Supply & Demand-side effect of a ‘big event’ its ‘pulsar effect’ (Kammeier, 2003)

- Phases 1 & 2 =important=
- Phases 3 & 4 High supply-demand in phases 3 & 4
  - accelerate city development
  - long – term demand

This analysis must be completed with table of:
- Framework of supply-demand side questions
- Options for planning & management response
Solo Supply & Demand-side effect of a ‘big event’ its ‘pulsar effect’ (Graphic 7)

Phase 1: 1999-2009 → public participation started continued many actions

Phase 2: 2009 → Solo was proposed by Indonesia’s national capital to become AMPCHUD host 2010.

Phase 3: 2009-2010 → preparation

Phase 4: >2010 → is a long-term management after the hand over
## Framework for analyzing demand-side questions, case: Solo (Kammeier, 2003)

<table>
<thead>
<tr>
<th>Typology of events?</th>
<th>Urban strategy</th>
<th>Big event</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Uncertainty</strong></td>
<td>Unexpected</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Expected</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hoped for</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Applied for</td>
<td>*</td>
</tr>
<tr>
<td>Special event</td>
<td>* (launching)</td>
<td></td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>Number of users services</td>
<td>989 informal vendors (long term)</td>
</tr>
<tr>
<td></td>
<td>828 participants, 3 days</td>
<td></td>
</tr>
<tr>
<td><strong>Periodicity</strong></td>
<td>Once</td>
<td>* (launching)</td>
</tr>
<tr>
<td></td>
<td>Periodic</td>
<td>* Annually</td>
</tr>
<tr>
<td><strong>Primary demand for</strong></td>
<td>The venue</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Related transport facilities</td>
<td>* (NA)</td>
</tr>
<tr>
<td><strong>Secondary demand for</strong></td>
<td>General transport infrastructures</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Accommodation</td>
<td>* (NA)</td>
</tr>
</tbody>
</table>
## Framework for analyzing demand-side questions case: Solo (2) *(Kammeier, 2003)*

<table>
<thead>
<tr>
<th>Costs</th>
<th>Urban strategy</th>
<th>Big event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td>Hardware projects (land, resettlements)</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Software planning &amp; management costs</td>
<td>*</td>
</tr>
<tr>
<td>Indirect</td>
<td>Transformation of economic structure</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>All over infrastructures system</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Social costs</td>
<td>*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Urban strategy</th>
<th>Big event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td>Tangible project effects (communication royalties)</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Intangible effects (rising experience &amp; capacity)</td>
<td>*</td>
</tr>
<tr>
<td>Indirect</td>
<td>System change (over-comeing technical &amp; economic thresholds)</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>Gains in international prestige</td>
<td>*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Factors contributing to beneficial effects</th>
<th>Urban strategy</th>
<th>Big event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tradition of comparable previous events to permit informed estimates of demands</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complementary other demands in the same city/region</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Options for planning & management response, case: Solo (Kammeier, 2003)

<table>
<thead>
<tr>
<th>Major phases for dealing with the ‘event’</th>
<th>Urban strategy</th>
<th>Big Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to application: reducing uncertainty by smart planning &amp; simulation</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Preparatory phase: special-purpose management system</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>The short period of implementing the event itself (single-purpose special authority, temporary structures, volunteers)</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Aftercare: integrated management &amp; marketing of facilities, the city at large</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supply-side factors meeting the special demand</th>
<th>Urban strategy</th>
<th>Big Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing administrative set-up and its adaptive qualities</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Existing public-private partnerships</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Capacity of private sector and civil society groups</td>
<td></td>
<td>*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source of finance</th>
<th>Urban strategy</th>
<th>Big Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>National grants &amp; loans</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Local public finance</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Refinancing through fees, royalties, franchise</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private investments triggered by long-term prospects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply &amp; demand-side management</td>
<td>Urban Strategy</td>
<td>Big Event</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Marketing to create additional demand needed/to shift demand into troughs</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Load shifting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balancing national &amp; influences</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Appropriate mix of temporary &amp; permanent structures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public relations</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Related Aspects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General economic &amp; political stability</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Long &amp; medium-term economic development cycles</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>
Nowadays, Solo progresses creatively
Urban strategy was implemented and there is a good balance between planning and action.
Pulsar effect (big event: APMCHUD in 2010 & APPF in 2011) was the result of urban strategy
Applying Lourenço's Model, Solo:
- Started planning in 1999,
- Issued Solo Vision in 2001,
- Started new planning for city in 2003 → officially in 2007
- Action started at 2005 by the new Mayor
- Intensive action went on during the period of 2006-2010

The peak phases (6 years) may be due to the small scale of the big event.
Many action results (shown in Table 1) → as the reason: Solo was notified as APMCHUD event host (2010)
Solo succeeded to hold an international event, APMCHUD (2010), with 828 VIP International participants in three days → more than ‘Taxonomy of pulsar effects’ (Mesones, 2003) expectation as ‘all cities’.

- Based on supply and demand side aspects of a big event and pulsar effect (Kammeier, 2003), Solo phenomenon can be distinguished as having an urban strategy and a big event supply-demand.
- Intangible benefits have been reached by Solo with rising experience and capacity.
- Now and later, Solo will be in phase 4 which means that “after this event, the urban strategy must be kept, continued and ready for another big event”.

Conclusion (con’t)
References

- Joglo Semar News paper: 12 Traditional Market will be Revitalized, 2010
- Redaksi@ bisnis.co.id: Franchise needs umbrella, 2010
- Solo Research Group: Revitalization of Sector Group Participation Study Program of Urban and Regional Planning; Engineering Faculty Sebelas Maret University. Solo, 2010.
TERIMA KASIH
THANK YOU