

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

Júlia M. Lourenço & Zulaikha B. Astuti  
University of Minho  
REAL CORP- 2011



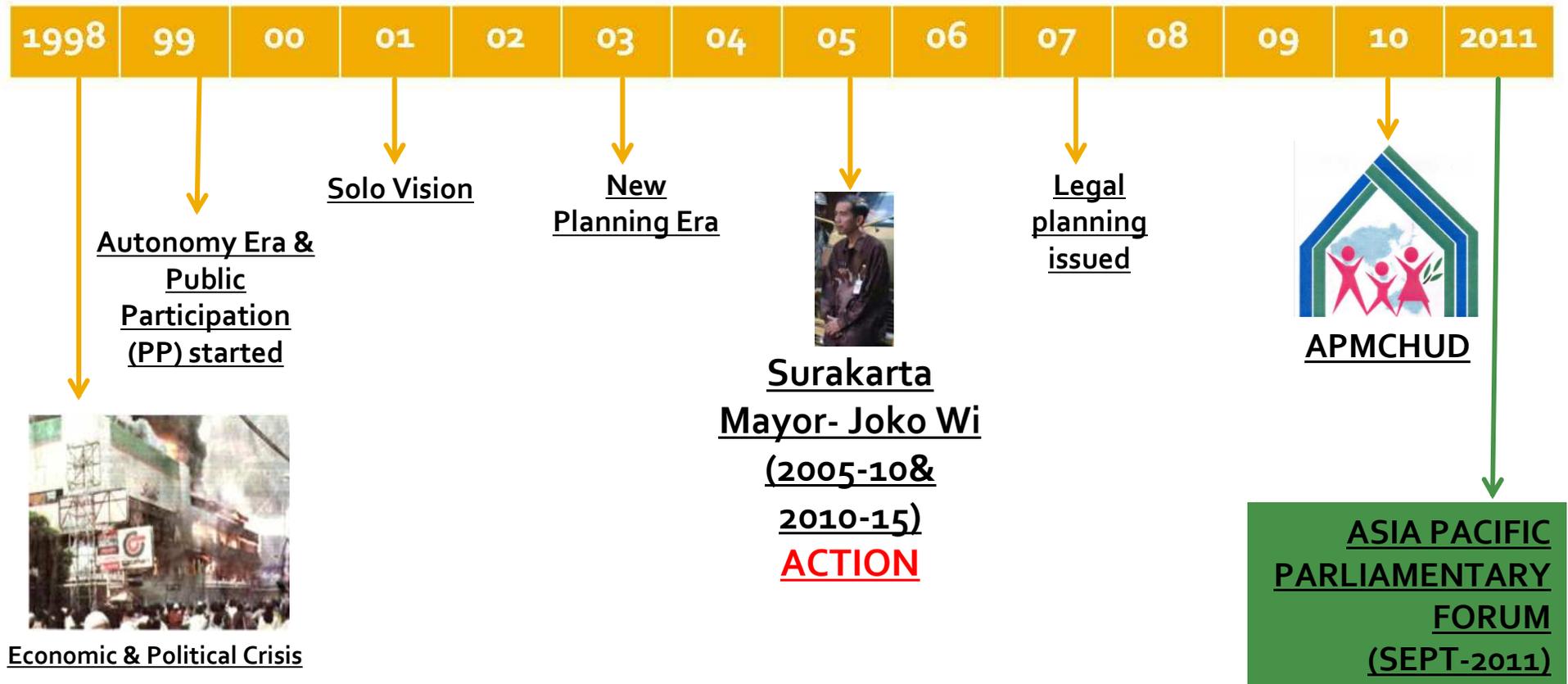
# Outline

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 Urban Changes



# 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)**

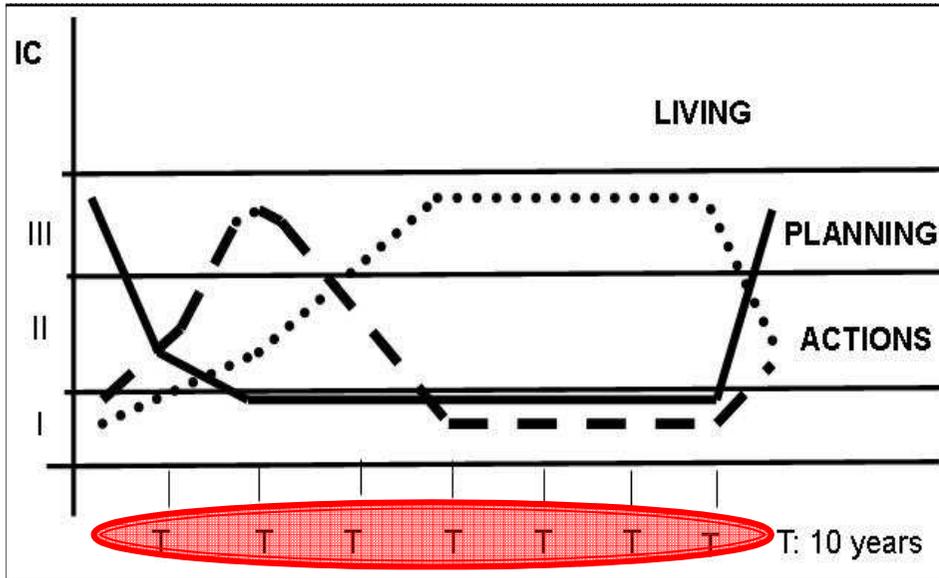
**2003**  
UNDP; CDS (City Development Strategy)  
(free schools, health services, housing)

**2009**  
**Community & partners ↔ government: basic input to arrange city program**



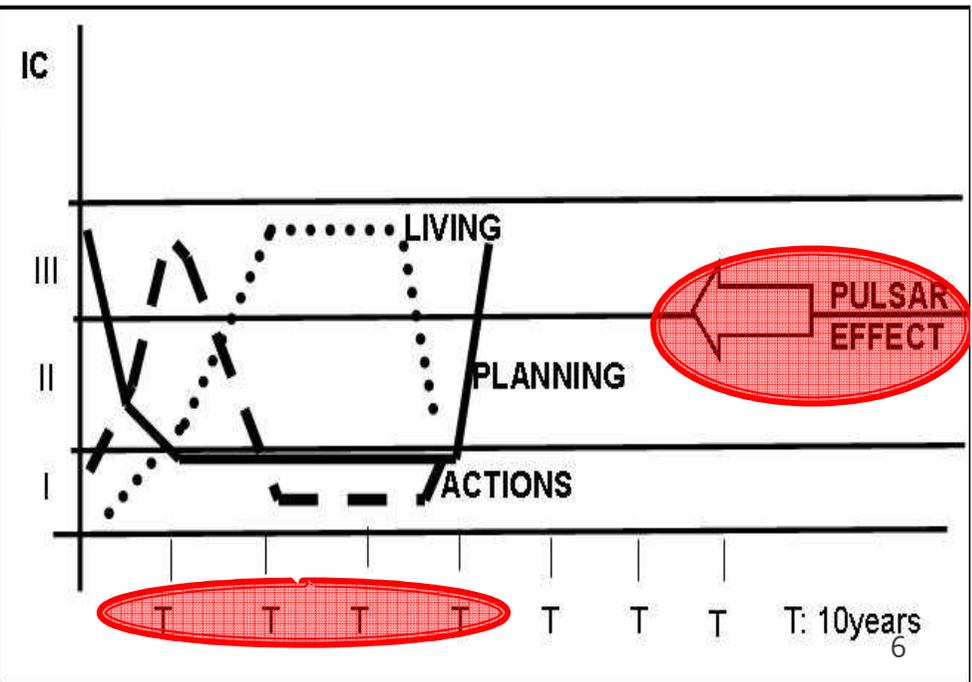
# Life Cycle Analysis

## Theoretical Framework



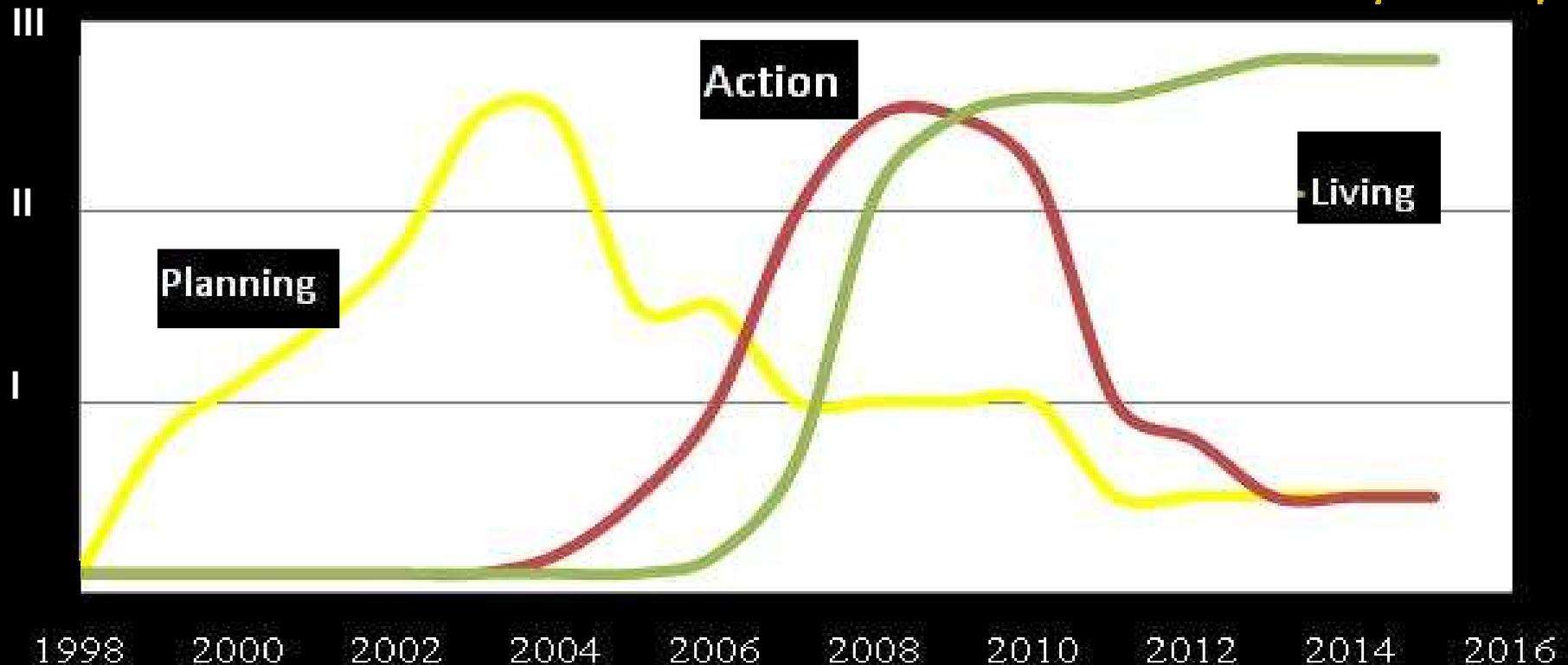
Graphic 1.  
Ideal Behaviour of Plan-process Model  
(Lourenço, 2003a)

Graphic 2.  
Behaviour of Expo-98 in Lisbon  
(Lourenço, 2010)



# Solo Behavior Plan-Process (Graphic 3)

Life Cycle Analysis



## 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



# 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



Shelter/  
panggung  
jogging track

Ruang Terbuka Hijau  
Bantaran Sungai Bengawan Solo  
Kel. Pucangsawit

Landmark  
Kawasan Urban Forest

SITEPLAN  
KAWASAN URBAN FOREST  
BANTARAN SUNGAI BENGAWAN SOLO

## Traditional Market Rearrangement

Before



After



# Informal Vendors Rearrangement

(fig. 3)

Solo 2005-2010

1. RELOCATION (before)



RELOCATION (after)



2. SHELTER (before)



SHELTER (after)



3. GALABO (before)



GALABO (after)



# Solo Changes Resume (TABLE 1)

Solo Changes		NUMBER in 2006	06	07	08	09	10	NUMBER in 2010	Changes %
INFORMAL VENDORS	Banjarsari Villa Park	989						0	100%
	Manahan Shelter	NA						180	100%
	Gladak Langen Bogan & Ngarsopura street	NA						NA	100%
HOUSING	Squatter area in Bengawan Solo River Bank (houses)	300						32	90%
	Empowering people for better houses	6.612						3.887	50%
	Urban Park	750m						550m	25%
	Traditional Market Rearrangement	40						25	50%

# Solo Budget (TABLE 2)

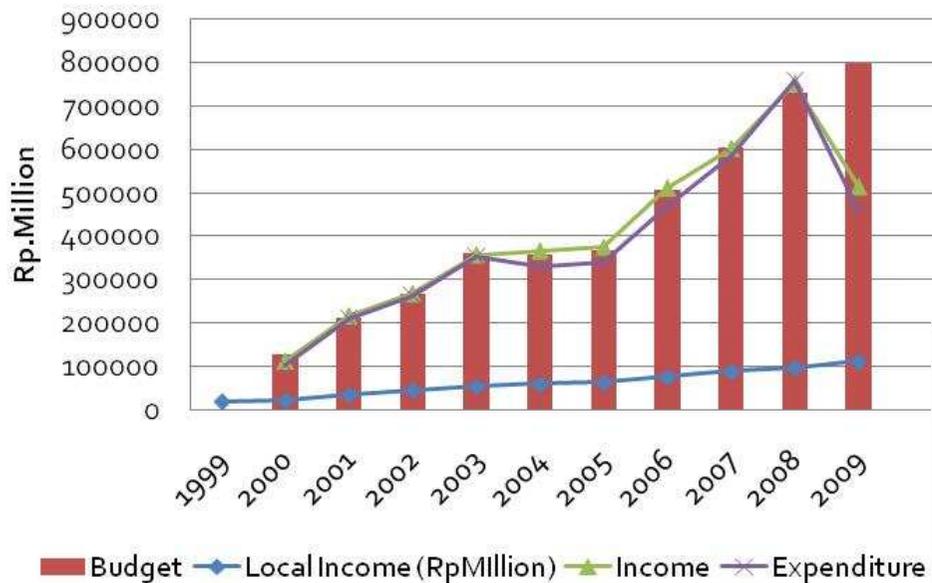
Solo Changes		Investment	Budget	Impact to Local Income
INFORMAL VENDORS	Banjarsari Villa Park	9.000	Local budget	14.200/year
	Manahan Shelter	800	Local budget	na
	Gladak Langen Bogan & Ngarsopura street	1.100	Local budget	18/month
HOUSING	Squatter area in Bengawan Solo River Bank (houses)	12(land), 8,5(house),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

\*All investments are in Indonesia currency (IDR)

\*intangible: better quality of life

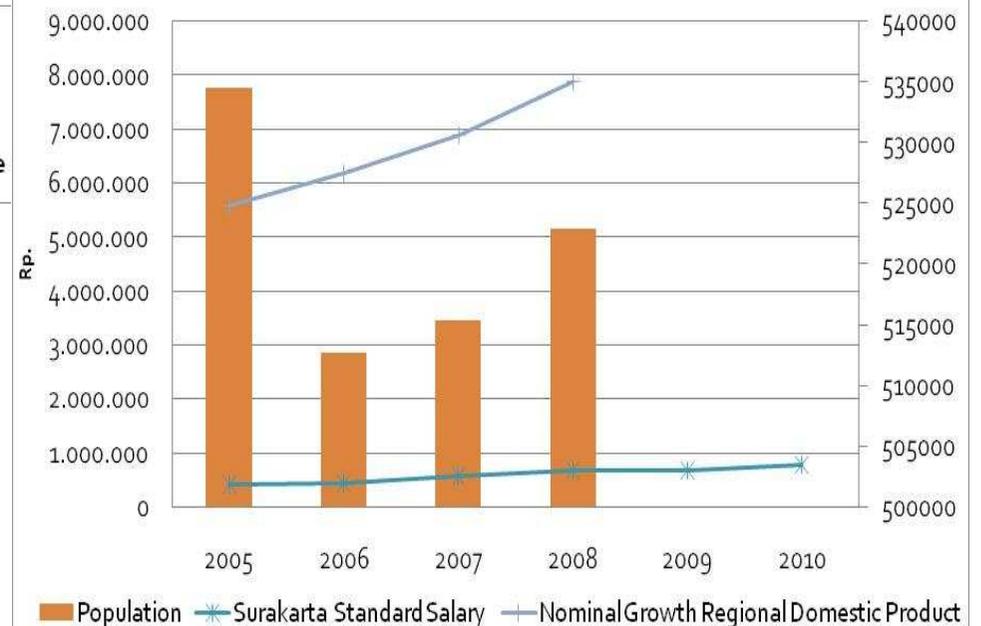
# Solo Budget (2)

**Graphic .4 Surakarta Budget**



**Welfare for people**  
 Minimum salary standard:  
 IDR 427.000 (2005) → IDR 785.000 (2008)

**Graphic 5. NGRDP, Standard Salary, Population of Solo**



**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)**

# APMCHUD 2010, The Big Event

Asia Pacific Ministerial Conference on Housing & Urban Development

1<sup>st</sup> APMCHUD : New Delhi, India (2006)

2<sup>nd</sup> APMCHUD: Teheran, Iran (2008)

3<sup>rd</sup> APMCHUD: Solo, Indonesia (2010)

Theme of 3<sup>rd</sup> APMCHUD:

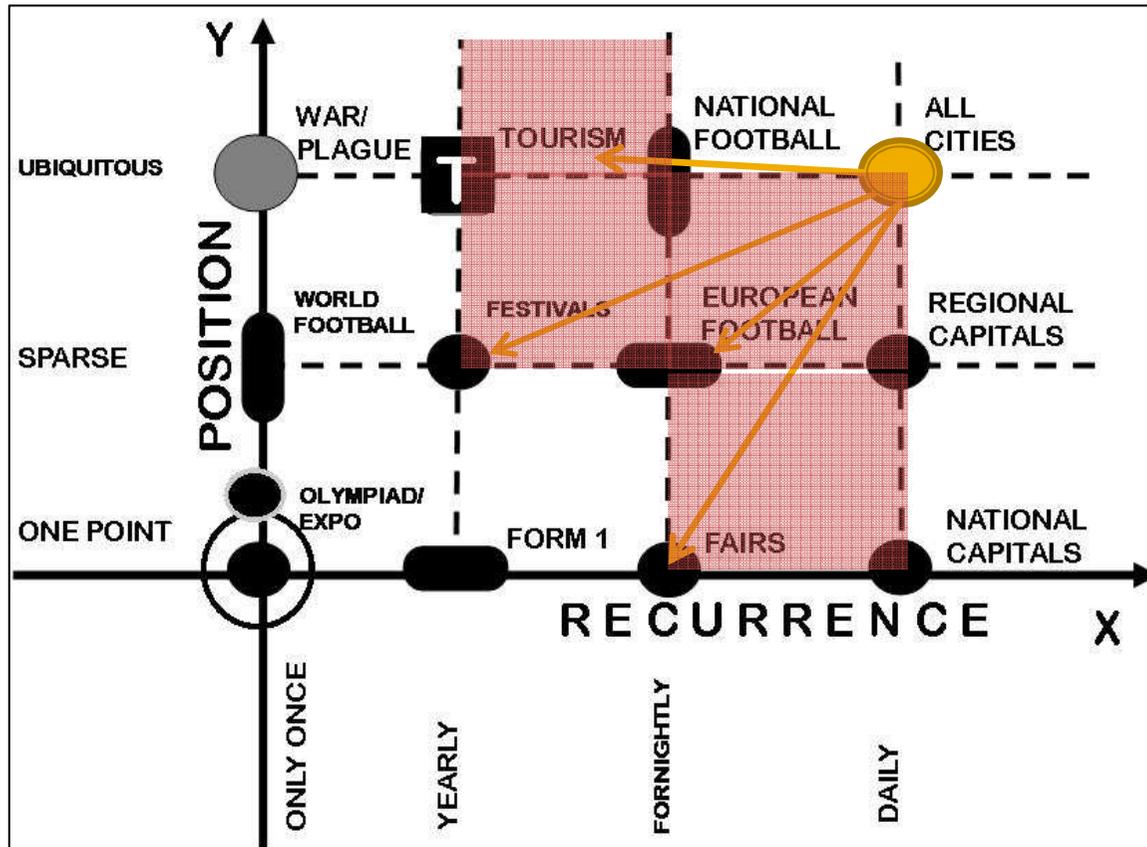
Empowering Communities for Sustainable Urbanization:  
Strengthening Local Capacity for Building Local Economy &  
Adapting to Climate Change

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)



# Taxonomy of Pulsar Effect (Mesones, 2003)

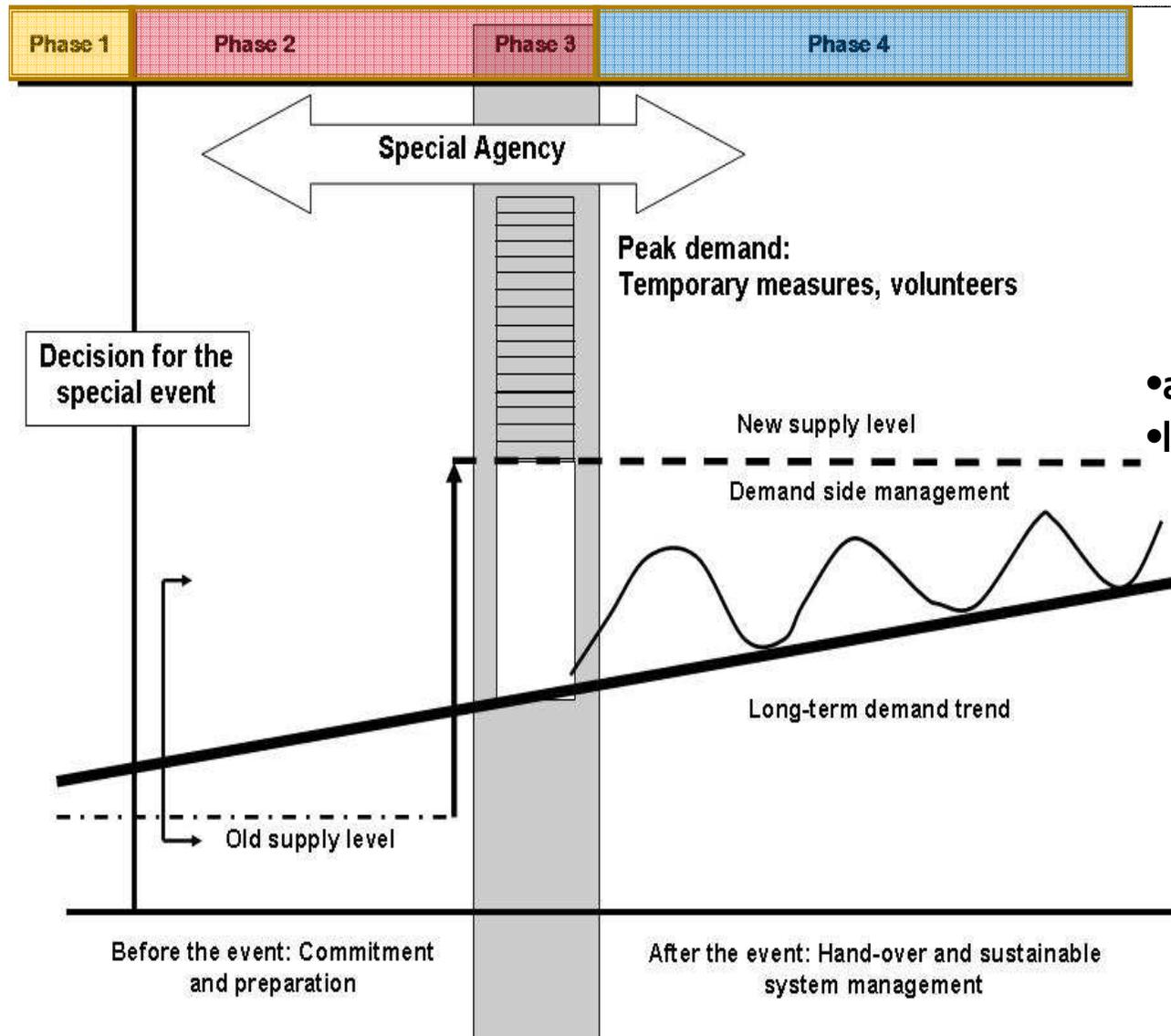
case: Solo



## 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

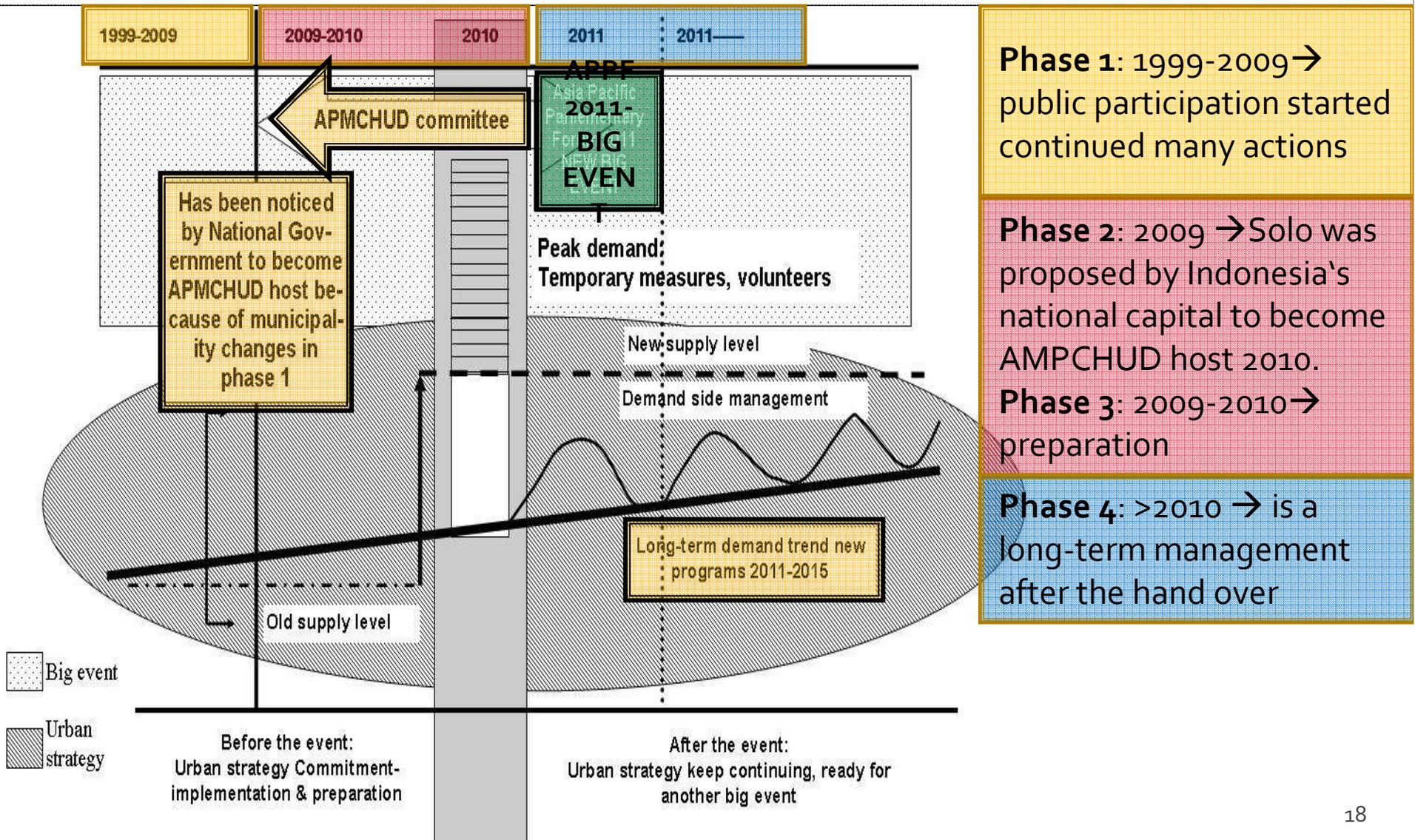
High supply-demand in  
phases 3 & 4 →

- 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)



# Framework for analyzing demand-side questions, case: Solo (Kammeier, 2003)

			Urban strategy	Big event
Typology of events?	Uncertainty	Unexpected		
		Expected		
		Hoped for	*	
		Applied for		*
		Special event	* (launching)	
	Size	Number of users services	989 informal vendors (long term)	828 participants, 3 days
	Periodicity	Once	* (launching)	
Periodic			* Annually	
Category of demand	Primary demand for	The venue		*
		Related transport facilities		* (NA)
	Secondary demand for	General transport infrastructures	*	
		Accommodation		* (NA)

# Framework for analyzing demand-side questions case: Solo (2) (Kammeier, 2003)

			Urban strategy	Big event
Costs	Direct	Hardware projects (land, resettlements)	*	
		Software planning & management costs	*	*
	Indirect	Transformation of economic structure	*	*
		All over infrastructures system	*	
		Social costs	*	
Benefits	Direct	Tangible project effects (communication royalties)	*	*
		Intangible effects (rising experience & capacity)	*	*
	Indirect	System change (over-coming technical & economic thresholds)	*	*
		Gains in international prestige	*	*
Factors contributing to beneficial effects	Tradition of comparable previous events to permit informed estimates of demands			
	Complementary other demands in the same city/region			

# Options for planning & management response, case: Solo (Kammeier, 2003)

		Urban strategy	Big Event
Major phases for dealing with the 'event'	Prior to application: reducing uncertainty by smart planning & simulation	*	
	Preparatory phase: special-purpose management system	*	*
	The short period of implementing the event itself (single-purpose special authority, temporary structures, volunteers)		*
	Aftercare: integrated management & marketing of facilities, the city at large	*	*
Supply-side factors meeting the special demand	Existing administrative set-up and its adaptive qualities	*	
	Existing public-private partnerships	*	
	Capacity of private sector and civil society groups	*	
Source of finance	National grants & loans		*
	Local public finance	*	*
	Refinancing through fees, royalties, franchise		
	Private investments triggered by long-term prospects		

# Options for planning & management response, case: Solo (Kammeier, 2003)

		Urban Strategy	Big Event
Supply & demand-side management	Marketing to create additional demand needed/ to shift demand into troughs	*	*
	Load shifting		
	Balancing national & influences		*
	Appropriate mix of temporary & permanent structures		
	Public relations	*	*
Related Aspects	General economic & political stability	*	
	Long & medium-term economic development cycles	*	*

# Conclusion

- 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)

# Conclusion (con't)

- 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"**.

# References

- Astuti W.: Slum and Squatter Settlements in Surakarta; Institutional Constraints and Potencies for Self-help Housing Development. In: Sustainable Slum Upgrading in Urban Area, pp. 1.13-1.25. Surakarta, 2009.
- Hasan: I saw May 1998 Tragedy in Solo, <http://www.tribunnews.com/2010/05/12/saya-menyaksikan-tragedi-mei-98-di-solo>, Tribunnews.com, 2010.
- Irfan: Solo Became APMCHUD Host, <http://justirfan.blogspot.com/2010/06/solo-jadi-tuan-rumah-apmchud.html>, 2010.
- Joglo Semar News paper: 12 Traditional Market will be Revitalized, 2010
- Kammeier, H.D.: Coping with 'Pulsar Effects' in the Context of Sustainable Urban Development: Towards a Conceptual Framework, Proceedings of the 38<sup>th</sup> International ISoCaRP Congress, pp. 27-29. Athens. 2003.
- Lourenço, J.M.: Expo - 98 and Trickling Down Effects In Lisbon: Proceedings of the 38<sup>th</sup> International ISoCaRP Congress, pp. 163-170. Athens. 2003.
- Lourenço, J.M.: Expansão Urbana. Gestão de Planos-Processo. Textos Universitários de Ciências Sociais e Humanas, Lisboa: Fundação Calouste Gulbenkian e Fundação para a Ciência e Tecnologia (MCES), 2003a.
- Lourenço, J.M.: Urban Planning Through Pulsar Effect, University of Minho Portugal. Braga, 2010.
- Mesones, J.: A Characteristic Pulsar Effect – EXPO'92, Sevilla, Spain. In: The Pulsar Effect in Urban Planning, Proceedings of the 38<sup>th</sup> International ISoCaRP Congress, pp. 27-29. Athens, 2003.
- National Committee for the 3<sup>rd</sup> APMCHUD: Empowering Communities for Sustainable Urbanization, Conference Proceedings. Surakarta, Indonesia, 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.
- Surakarta Statistics Council: Surakarta in Number. Surakarta, 2009.
- Surakarta Municipal: Clean Air for Small Cities Program. Solo, 2010.
- Surakarta Government: Public Services, presentation. Solo, 2010.
- Tempo: Solo Informal Vendors Getting Increase. Solo, 2006.



TERIMA KASIH

TERIMA KASIH  
THANK YOU

