Introduction to Bhutan



Area: 38,394 sq.km

Population: 692,895 as per BLSS 2017





Capital of Bhutan: Thimphu

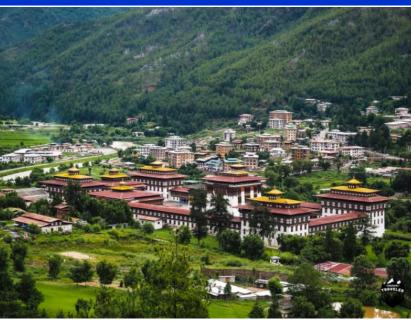
Area: 27 Sq.km

Population: 120, 000 persons



Some Images of Thimphu City













Building No: 08 Gongdzin lam Thimphu -11001: **Bhutan**



Case Study on Sustainable Urban Planning



Organization: Thimphu Thromde

Country: Bhutan

Date: 14th May 2018

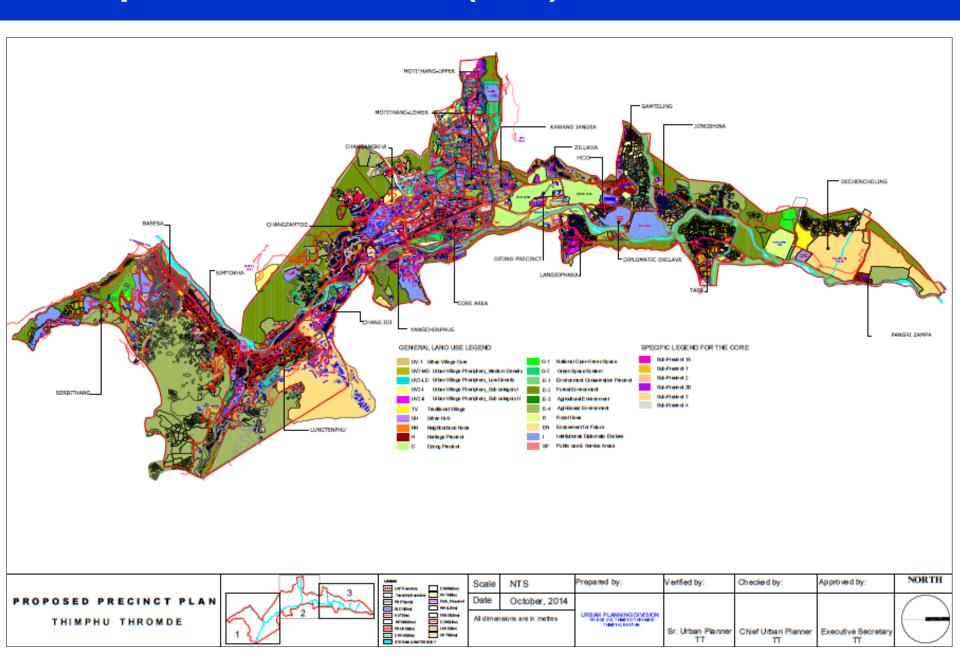
Intelligent Urbanism

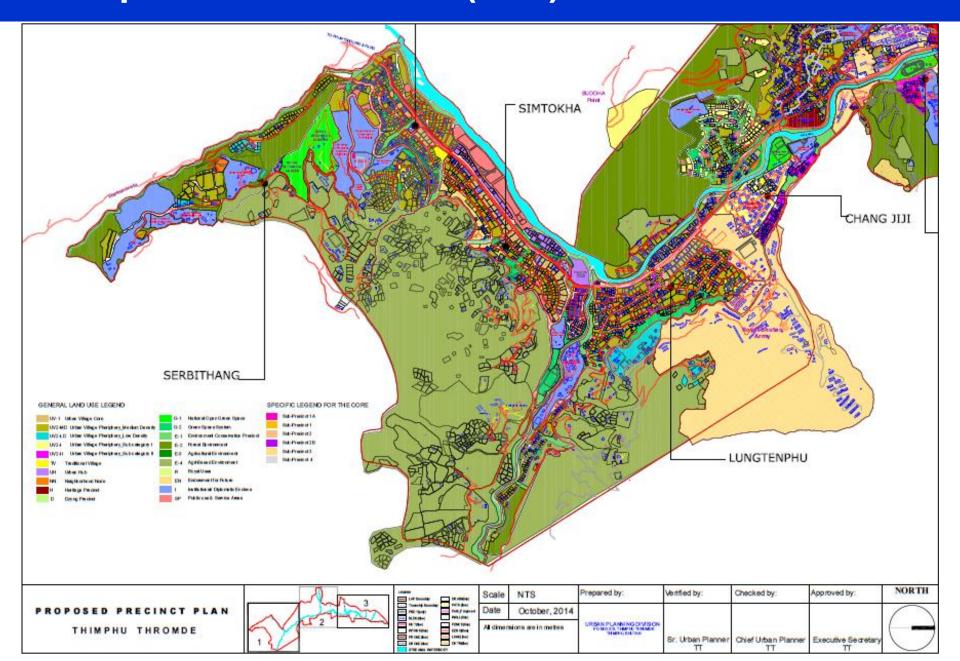
Principles:

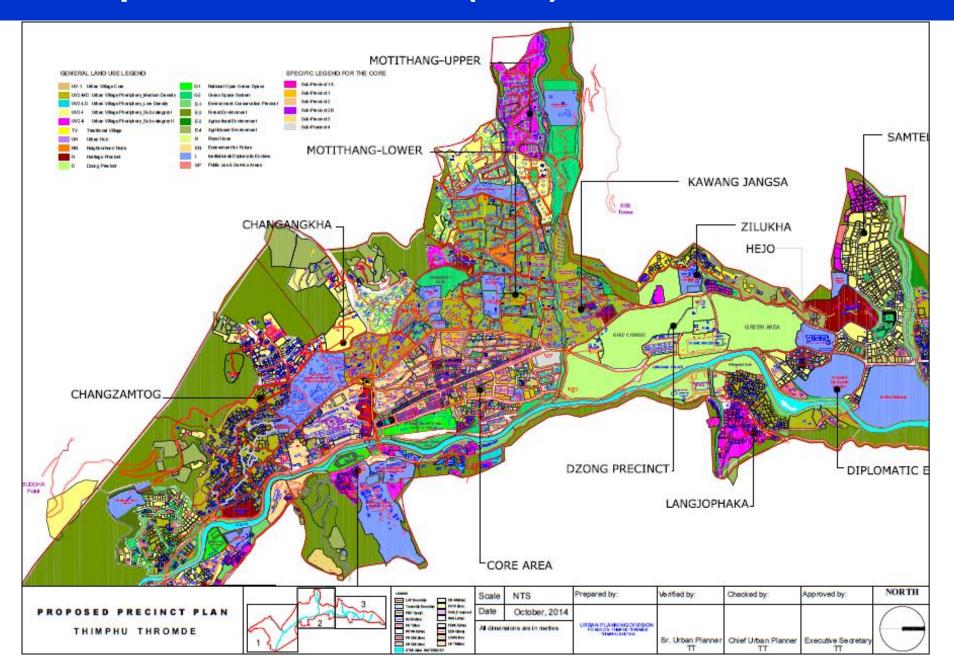
- 1. Balance with Nature
- 2. Balance with Tradition
- 3. Conviviality
- 4. Efficiency
- 5. Human scale
- 6. Opportunity Matrix
- 7. Regional Integration
- 8. Balanced Movement
- 9. Institutional Integrity

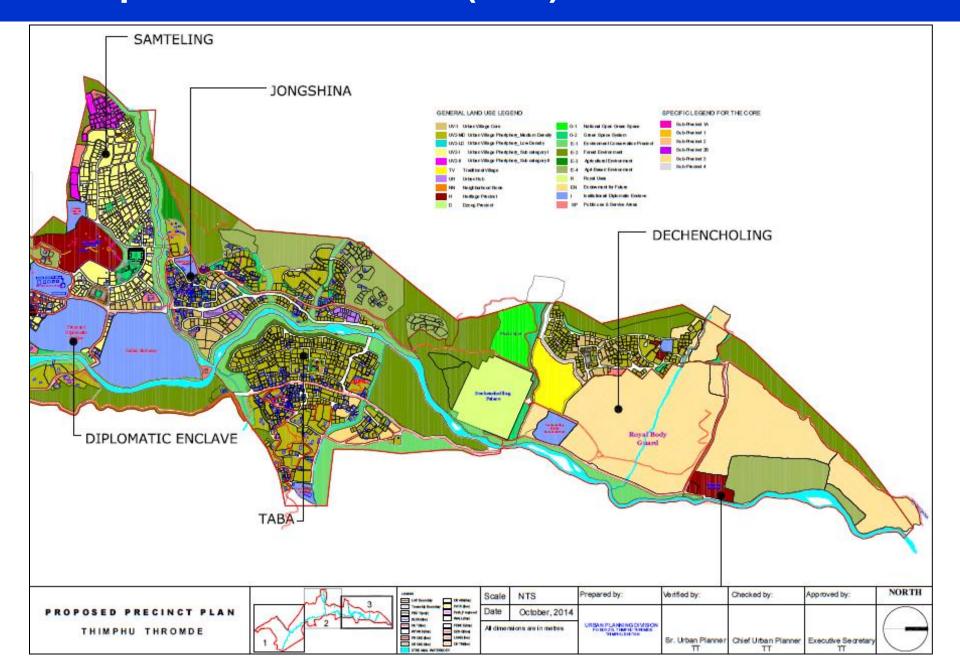
Strategies:

- Decentralized Growth
- 2. Regionalized Growth
- 3. Densification
- 4. Transport Oriented Growth
- 5. Resource Utilization
- 6. Urban Precincts
- 7. Public Assets
- 8. Defining the Urban Core
- Facilitating Access to Shelter







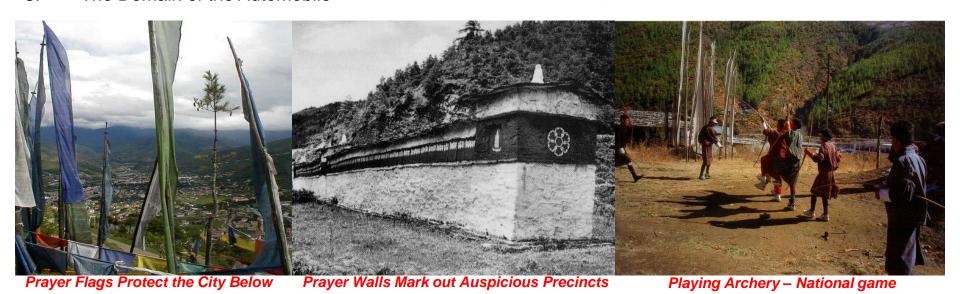


Main Theme

- 1. Nation Building and the Civil Society
- 2. The City of our dreams
- 3. The Tashichho Dzong
- 4. Community, Conviviality and Human Scale
- 5. Public Policy and Urban Forms
- 6. The Bhutanese Dream
- 7. The Parable of Archery, or the tragedy of the Power bow
- 8. The Domain of the Automobile



Tashichho Dzong: Icon of Bhutan

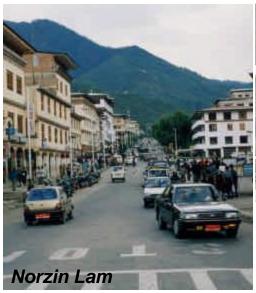


Main Theme

- 9. Reclaiming the Public Domain
- 10. The City Core
- 11. The Gateway to the Capital
- 12. Urban Corridor
- 13. Urban Villages
- 14. Open Space System and the Wang Chhu
- 15. Footpath System
- 16. Forest Boundary and City Landscape
- 17. Peripheral Zone Control
- 18. Knowledge City
- 19. Social Services
- 20. Utilities Network
- 21. Shelter System
- 22. The National Capital Region



Dancers at the Thimphu Tshechu Accent the City's Unique Culture





The Clock Tower Square: Component of the Public Domain

Sustainable City-Making

- 1. Several Local area plans
- 2. Extensive redevelopment of Urban Core



Goal of the project

- 1.To facilitate and address grappling issues like population increase, land fragmentation and ad-hoc development emerging due to rapid urbanization.
- 2.To have creative liveable self-sustaining places

Obstacles in the process of planning and implementation

- 1.Obtaining consensus from landowners: difference in pooling %/ distribution & relocation of plots/ feeling of deprived/ mine to our
- Policy level weaknesses: No legal teeth/ award to low bidders
- Implementation weaknesses: paper based, centralisation of land administration and management
- Management weaknesses: inadequate managerial skills, supports, bad database & record keeping
- Selfishness of staff and leaders/ politics
- Integrity of staff including leaders
- Difficult Terrain and Lack of awareness at all levels

Key Strategies to overcome the obstacles

- 1. Open house discussions with leaders, relevant stakeholders, higher authorities and community representatives,
- 2.Public participation through continuous and rigorous conduct of meeting and consultation is seen as biggest strength to influence the decision of adopting the land pooling concept and its implementation.
- 3. Using leaders, council members and local representatives

Achievement

- 1. 12 LAPs have been approved and implemented
- 2. Infrastructural development 8 completed 4 ongoing
- 3. Helped build a foundation of strong democratic principles

Failure

- 1. Compromised some land uses, which are technically not feasible
- 2. Land speculation
- Low income housing provision and recovery of fund for the projects
- 4. Not inclusive of poor, renters, underprivileged residents

Lessons and Implications

- 1.Land pooling is acceptable and viable solution for urban redevelopment and addressing urban issues despite its obstacles at various stage
- 2.Guided the management to know what they seek in staff during selection and recruitment
- 3. What needed to be given in terms of trainings and capacity development
- 4.Establishment of proficient and committed team to manage the project
- 5.Design project for self-finance to offset the problem of self funding
- 6.Win-Win to land owners and Municipality

Some national and city level projects

- 1.Proposed diplomatic enclave
- 2. Proposed Green Zone
- 3. Proposed relocation of two old Fuel Station from Core (Core Gateway)
- 4. Pedestrianisation of Norzin Lam
- 5. Gateway to capital city (Proposed Inter-State Bus Terminal)

Conclusion

