




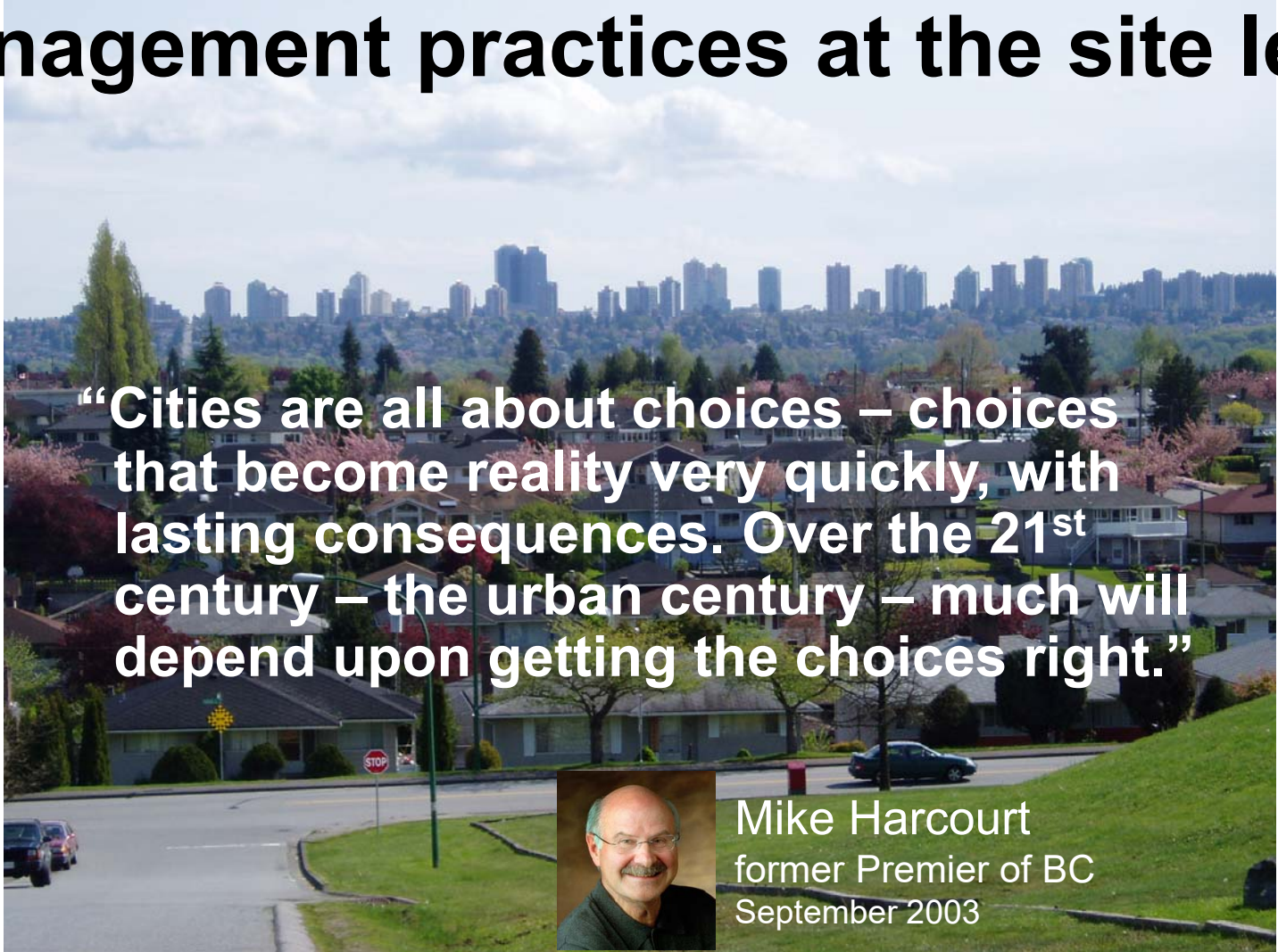
BEYOND THE GUIDEBOOK 2010: Implementing a New Culture for Urban Watershed Protection & Restoration in British Columbia

An Integrated Presentation By
Kim Stephens, Ray Fung & Mike Tanner
Water Sustainability Action Plan for BC





Context for changing water management practices at the site level



“Cities are all about choices – choices that become reality very quickly, with lasting consequences. Over the 21st century – the urban century – much will depend upon getting the choices right.”



Mike Harcourt
former Premier of BC
September 2003



PRESENTATION ROAD MAP

- Beyond the Guidebook 2010 Introduced (Kim)
- Convening for Action Explained (Ray)
- Story of the Water Bucket Website (Mike)
- Connecting Dots (Ray)

BEYOND THE GUIDEBOOK: This is Our Story!



Glen Brown, Chair
BCWWA Water Sustainability Committee



Ted van der Gulik, Chair
Inter-Governmental Partnership



Raymond Fung, Chair
Green Infrastructure Partnership



John Finnie, Chair
Convening for Action on Vancouver Island

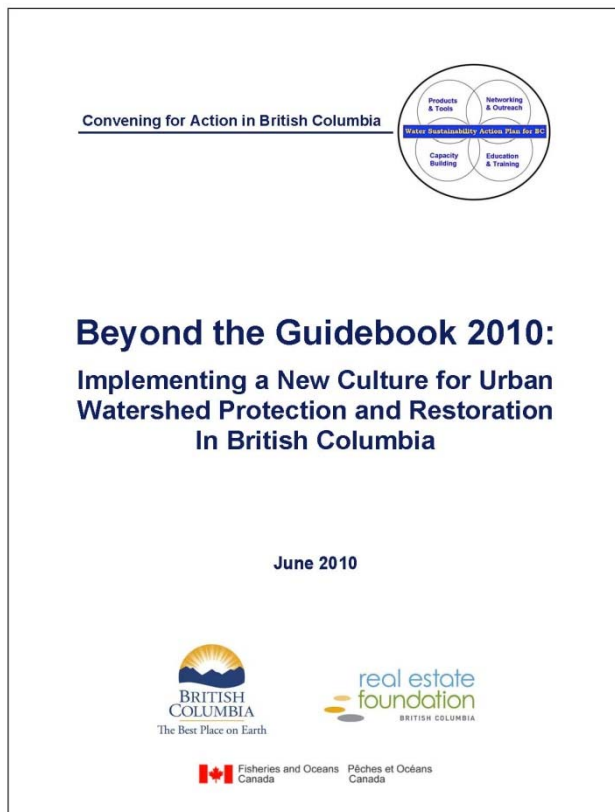


Mike Tanner, Chair
Water Bucket Website Partnership



Jay Bradley, Chair
Vancouver Island Coordinating Team

PRACTITIONERS ARE CHANGING!



A decade ago we made a conscious decision to follow an educational rather than prescriptive path in BC.

We knew it would take time to change the practitioner culture.

Beyond the Guidebook 2010 is the story of what local governments are accomplishing on the ground.



THIS IS THE STORYLINE FOR 'BEYOND THE GUIDEBOOK 2010'

1. Moving from Awareness to Action in BC
2. **Stormwater Planning: A Guidebook for BC**
3. Changing the Culture
4. Convening for Action in British Columbia
5. Outreach & Continuing Education Program
6. Beyond the Guidebook:
Connecting Dots & Building Blocks
7. **Developing Outcome-Oriented Watershed Plans**
8. To Learn More

BC IS AT A TIPPING POINT

“We now have the tools and experience to ‘design with nature’. We believe that BC is now at a tipping point. Implementation of a new culture for urban watershed protection and restoration is within our grasp.”



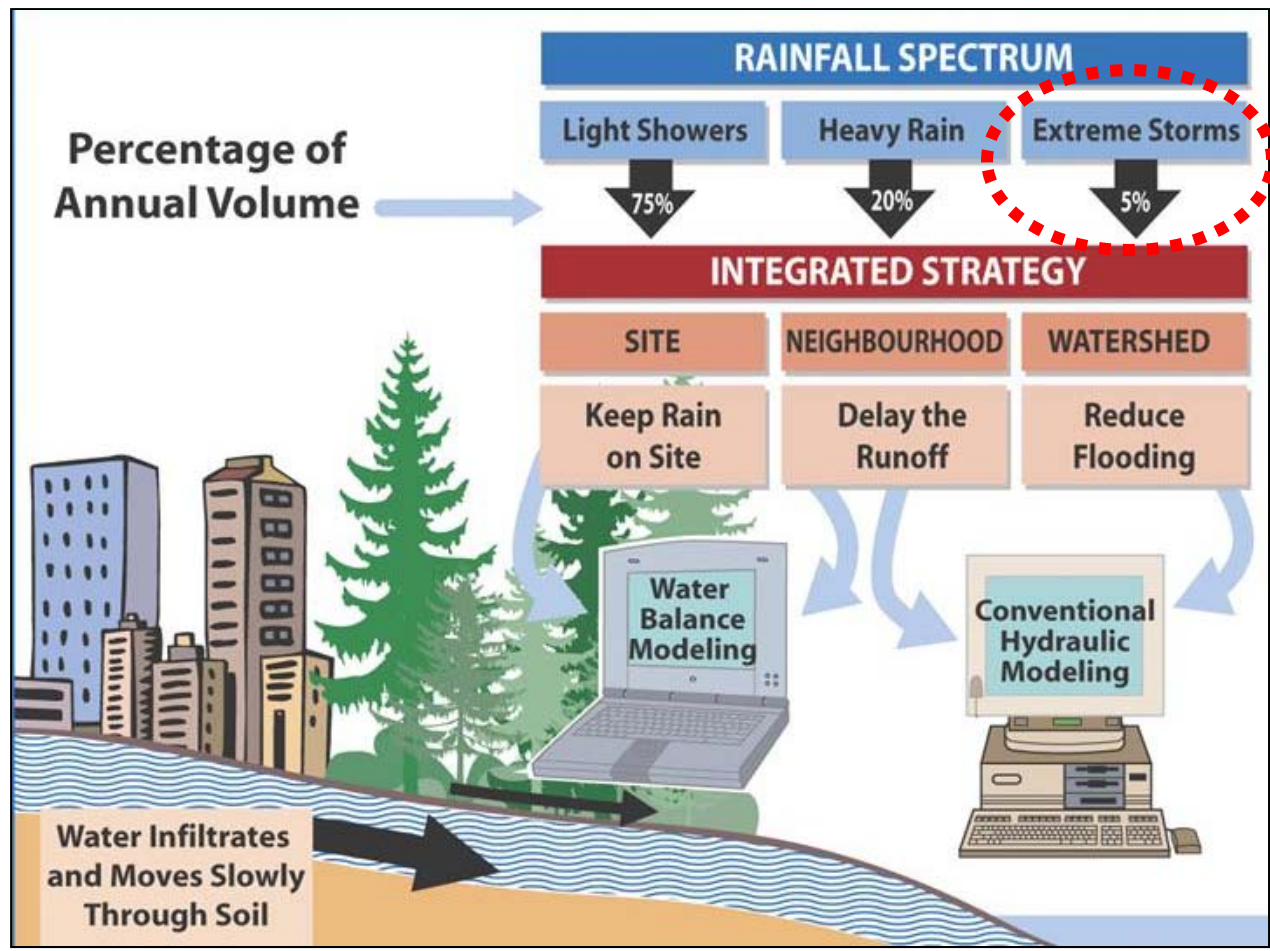
The Six Chairs
Beyond the Guidebook 2010

In 2002, the Guidebook Premise was:

Land development and watershed protection can be compatible. Science-based understanding bridges the gap between Policy and Site Design



FROM STORMWATER MANAGEMENT TO RAINWATER MANAGEMENT



SOIL DEPTH UNDERPINS THE 'WATER SUSTAINABILITY EQUATION'



IF WE ‘DESIGN WITH NATURE’...

“Water Sustainability will be achieved by implementing Green Infrastructure policies and practices. How we get there relies on a change in mind-set. Our role is to facilitate that change.”

John Finnie, Chair
Convening for Action on Vancouver Island
&
General Manager, Regional & Community Utilities
Regional District of Nanaimo





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CONVENING FOR ACTION IN BC:

Visualize What We Want Our Regions to Look Like in 50 years

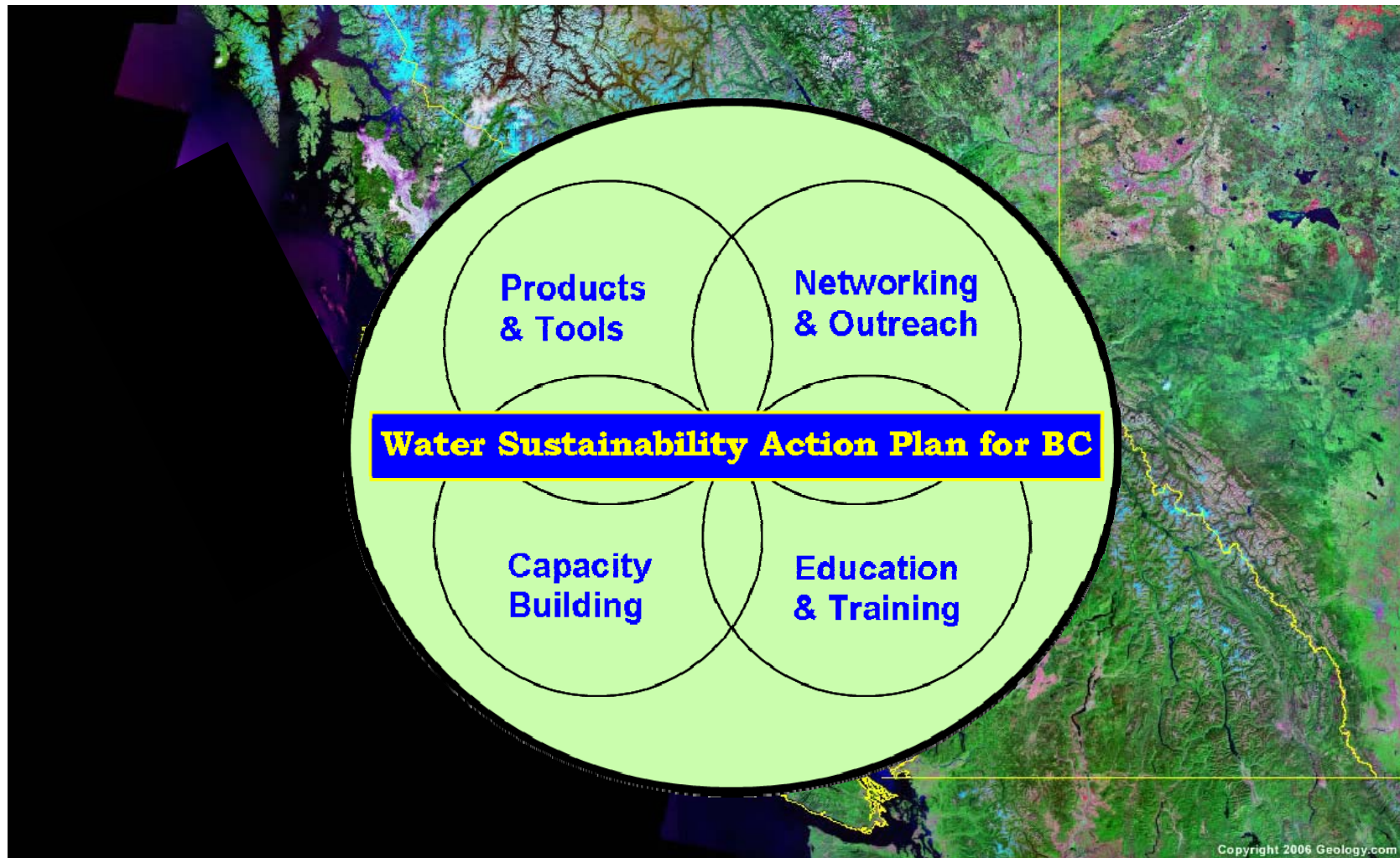


Create a Legacy: Settlement Change in Balance with Ecology

- 1. Influence choices by individuals and organizations*
- 2. Use the term “sustainability” as a lens for considering approaches that influence choices*

OUR APPROACH IS BOTTOM-UP:

Change expectations and build practitioner capacity
by providing education and tools



The Action Plan provides neutral forums for advancing a 'regional team approach'



- **The Province** - *those who provide legislative framework*
- **Local Government** - *those who plan and regulate*
- **Developers** - *those who build*
- **Stewardship Sector** – *those who advocate for conservation*
- **Agricultural Sector** – *those who grow food*
- **Academia** - *those who provide research*

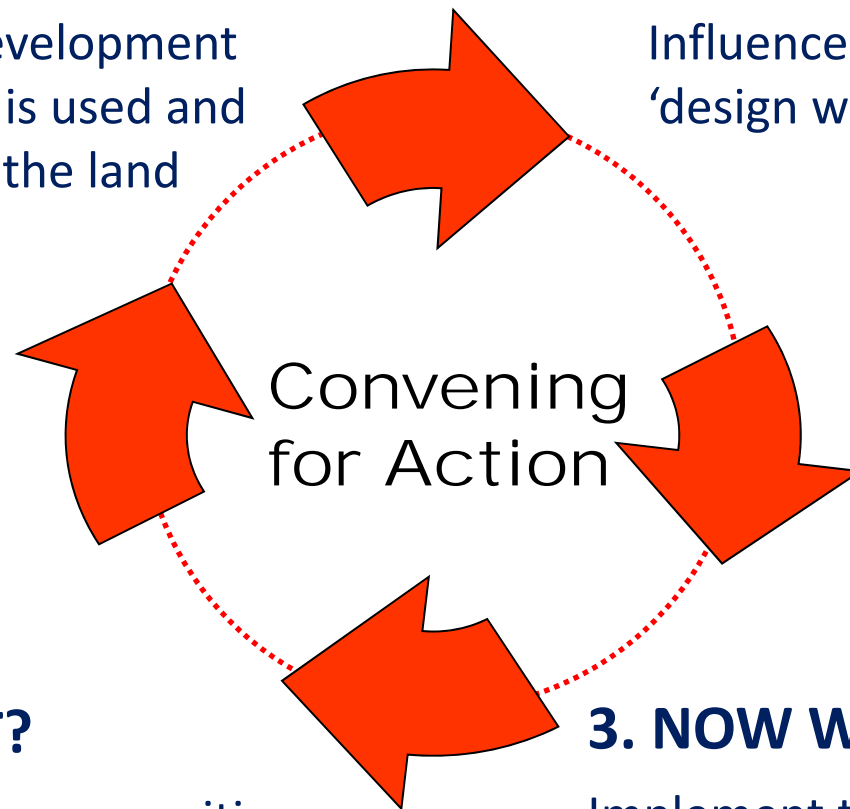
THIS IS THE “BC PROCESS” FOR MOVING FROM AWARENESS TO ACTION

1. WHAT is the issue?

The form of land development impacts how water is used and how water runs off the land

2. SO WHAT can be done?

Influence practitioners to ‘design with nature’



4. THEN WHAT?

Replicate in other communities

3. NOW WHAT can we do?

Implement the Water Sustainability Action Plan for British Columbia

Collaboration, a 'Design with Nature' approach, and re-use of resources are keys to climate change adaptation

- Develop compact, complete communities
- Increase transportation options
- Re-use and recycle water, energy and nutrients from liquid wastes
- Protect and restore urban 'green' space
- Strive for a lighter 'hydrologic footprint'
- Achieve higher levels of stream, wetland and marine environment protection



In May 2005, we convened a Consultation Workshop that resulted in 'Celebrating Green Infrastructure'



Because it is lonely being a champion, and everyone in local government is so busy, participants expressed a strong desire to pool resources and convene on-the-ground to share 'how to do it' experiences

“CONVENING FOR ACTION IN THE GEORGIA BASIN”

Georgia Basin Initiatives:

- 1 An Integrated Watershed Approach to Settlement
- 2 Action for Water
- 3 Cowichan Basin Water Management Plan
- 4 Bowker Creek Blueprint
- 5 Integrated Liquid Waste & Resource Management Plan





TWIN ENGINES OF OUTREACH & EDUCATION PROGRAM

- Water Balance Model
- Water Bucket Website





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THE STORY OF THE **waterbucket.ca WEBSITE**

- Launched in 2005
- The website is distinctive
- Key to our communication strategy
- Designed to provide the story





THE VISION

Provide a resource rich,
highly interactive destination location
for information and communication
related to water sustainability in
British Columbia”



NETWORKING & OUTREACH

- 
- Why a community of interest?
 - Platform design
 - Communities of Practice



CAPACITY-BUILDING

- Website provides a forum
- Content contributors
- Website enhancement benefits everyone





EDUCATION & TRAINING

- 
- Online tools
 - Promote long-term thinking
 - Promote design by nature
 - Case studies



OUR SUCCESS TO DATE

- Showcasing and tracking results
- What we have learned
- Number of visits
- The power of the website



A LOCAL GOVERNMENT PERSPECTIVE:

“The Water Bucket is providing reasons to have the conversation about **‘why change’**. The resulting awareness of **need** will help us obtain the mandate to implement watershed-based land use planning.”

Marvin Kamenz, Municipal Planner
Town of Comox
September 2009





PRESENTATION ROAD MAP

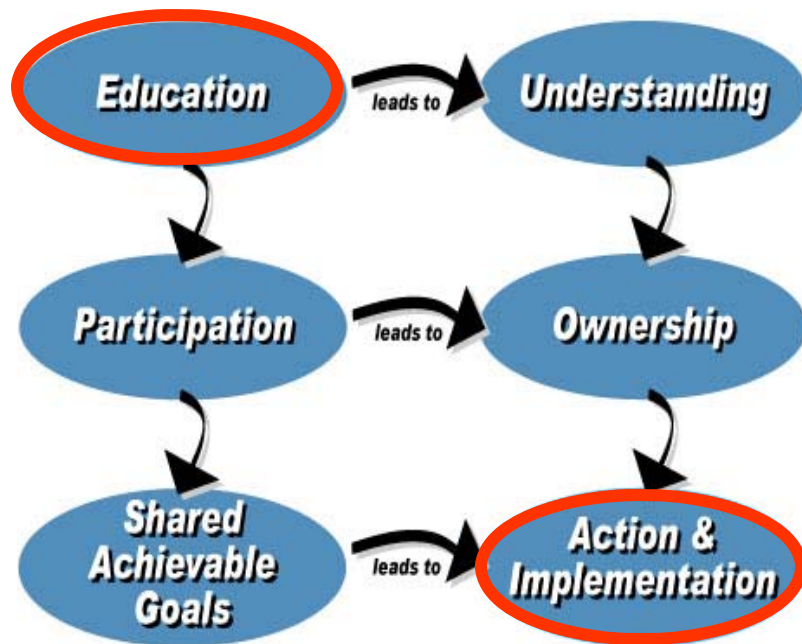
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‘Convening for Action’ experience shows that success will follow when local governments.....

1. Choose to be enabled.
2. Establish high expectations.
3. Embrace a shared vision.
4. Collaborate as a ‘regional team’.
5. Align and integrate efforts.
6. Celebrate innovation.
7. Connect with community advocates.
8. Develop local government talent.
9. Promote shared responsibility.
10. Change the land ethic for the better.

This is what needs to happen to achieve integration that leads to action



Critical Success Factors:

- *Commitment* to take action & deliver
- *Champions* to provide energy & drive
- *Accountability* to deliver at all levels
- *Resources* to get the job done

Inform, Educate & Inspire



AND FINALLY....

“...we still need to remember that it is not solely wisely developed or green urban infrastructure but human behaviour which ultimately determines our sustainability”

Peter Andzans
Manager, Community Sustainability
City of Abbotsford
January 2008



FOR MORE INFORMATION, JUST GO TO WATER BUCKET!

www.waterbucket.ca,

Contact: kstephens@watersustainabilitybc.ca

