ADEPT

Association of Directors of Environment, Economy, Planning & Transport

The STORY so far...

CARBONISATION in our LOCAL HIGHWAY NETWORK is having a SIGNIFICANT impact EVERY DAY → important to LOCAL Politicians

it's very much still TODAY'S NEWS

the focus switched from VEHICLES to all other areas! → to meet NET ZERO GOALS

the WATER industry are further down the road and ANGLIAN WATER ... it is TOUGH

lots of hills to climb!

- and it takes COLLABORATION and looking across to other SECTORS

CLIMATE CHANGE is HERE...

it's about what ACTION we take.

BEHAVIOURAL CHANGE

LEADERSHIP

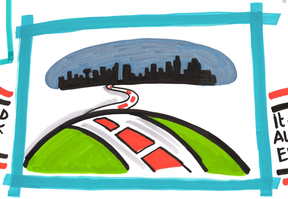
BUSINESS EFFICIENCIES

→ companies + REGULATIONS → DRIVE CHANGE

ADEPT LIVE LABS 2

Decarbonising Local Roads – is a 3 YEAR, UK-Wide £30m programme funded by the Department of Transport that aims to DECARBONISE the Local Highway Network

OUR ROAD NETWORK MATTERS



IT AFFECTS ALL OF US, EVERY DAY

The GOOD NEWS:

There are TOOLS

- We can do it!
- We all have a PART to PLAY

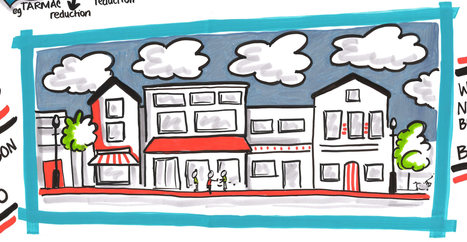
but we have to CHALLENGE ourselves to do things DIFFERENTLY!

Carbon reduction

REDUCING CARBON WILL SAVE MONEY + COST YOU EVEN LESS!

Cost reduction

and REDUCING CARBON is the RIGHT THING TO DO



EMBEDDED CARBON

- take individual ELEMENTS (eg TARMAC)
- Relate to COST → carbon impact → cost reduction

How do we SIMPLIFY the ISSUES so people can get involved more EASILY?

STORY TELLING

- bring different interventions to life
- SHARING between councils
- Facts + Figures

Were all Looking for this → WHAT A GOOD one LOOKS LIKE

"Things Changed when People saw HOW SERIOUS we were"

NOT a TICK BOX – it's the RIGHT THING TO DO!

Bringing Teams in → then the MAGIC started

BELIEVE and BE BELIGERENT AGAIN + AGAIN + AGAIN

When we build NEW we MUST BUILD BETTER we must be BELIGERENT!

GOOD STORYTELLING

Putting a POWERFUL MESSAGE across

Tell your Story in a Meaningful way

Real, LOCAL PEOPLE telling compelling stories.

HOW CAN WE BRING things to LIFE to ACCELERATE CHANGE?

We have a COMPLEX STORY to tell

We need to PERSONALISE + HUMANISE it

Localstoryexchange.org

case studies on the SITE

ACTING as AGENTS of CHANGE!

Breaking down BARRIERS to INNOVATION

The DIVERSITY of Your thought matters

Communication Collaboration Commitment CONTRIBUTE!

COLLABORATIVE WORKING

get more APPLES!

- BE BRAVE
- find what's missing
- ASK AWKWARD QUESTIONS
- Don't take NO for an ANSWER
- BE BELIGERENT!

AND WHAT it MEANS for NEXT the GENERATION

What will YOU DO to accelerate YOUR DECARBONISATION contribution?

in the end... it's ALL ABOUT PEOPLE

OUR FOUR THEMES

1. UK CENTRE of EXCELLENCE for Materials DECARBONISATION
2. CORRIDOR and PLACE-based DECARBONISATION
3. A GREEN CARBON LABORATORY
4. A FUTURE LIGHTING TEST BED

Theme 1

NORTH LANARKSHIRE COUNCIL, TRANSPORT for WEST MIDLANDS

NORTH LANARKSHIRE – TWO CAMPUSES ONE THEME

TRANSPORT FOR WEST MIDLANDS

CREATING a Materials knowledge BANK (TRUSTED INFO → Easy Access)

Innovation Sandbox

BEHAVIOURAL CHANGE

TRUST is KEY. EVIDENCE DATA

We'll be continuing to LIVE TRIAL MORE

TRYING to CHANGE the MINDSET of PRACTITIONERS

Theme 2

DEVON COUNTY COUNCIL, LIVERPOOL CITY COUNCIL, WESSEX PARTNERSHIP

ONE THEME THREE DIFFERENT SCALES

Decarbonisation + Improvements of ROADS

DEVON – Liverpool – Hampshire Somerset

Working on PROCESS – WAYS of WORKING BEHAVIOURAL CHANGE – Mainlenance

routine delivery – SPECIAL FOCUS

SHARED TEST BEDS

SHARED LEARNINGS

identifying INNOVATIONS with PURPOSE

learning Circles

more SCALABILITY Potential

PROJECT

EAST RIDING of YORKSHIRE COUNCIL: High Visual Efficiency for low-carbon lighting – DECARBONISING Street lighting

PROJECT

NORTH LANARKSHIRE COUNCIL: UK Centre of Excellence for DECARBONISING Roads – North Campus

PROJECT

TRANSPORT FOR WEST MIDLANDS: UK Centre of Excellence for DECARBONISING ROADS – South Campus

Theme 3

SOUTH GLOUCESTERSHIRE COUNCIL and WEST SUSSEX COUNTY COUNCIL

Looking at How we use HIGHWAY VERGES

important – Safety – Beauty – bio diversity

and the Community CARES about them

MANY Strands to pull together to make this work

We want to improve how we MANAGE this + then SCALE nationally

TAKE the GREENERY

PROCESS it make it into a Usable Product

FULL LIFE CYCLE

BIO FUEL → into Mowers to Cut the GRASS

TEST → TEST → SCALE → DEMONSTRATE

PROJECT

DEVON COUNTY COUNCIL (including Jetty Marsh Link Road) – CARBON NEGATIVE PROJECT

Reducing Embedded Carbon in LIT Assets

CARBON + SAFETY on an EVEN Footing

DATA – we most need is on DRIVER BEHAVIOUR and impact of our changes

Accuracy – and the data collection needs to WORK in the DARK!

Theme 4

EAST RIDING of YORKSHIRE COUNCIL

Testing has BEGUN!

testing monitoring → more to be implemented

Collaborating to design NEW lighting options

PROJECT

SOUTH GLOUCESTERSHIRE COUNCIL and WEST SUSSEX COUNTY COUNCIL: GREENPRINT

and SEVEN PROJECTS

PROJECT

WESSEX PARTNERSHIP: Net Zero corridors

PROJECT

LIVERPOOL CITY COUNCIL: 'Ecosystem of THINGS' driving a Low-carbon economy

MEASURING

- WHAT's the IMPACT?
- HOW's it CHANGING YEAR to YEAR?
- understanding WHOLE LIFE CARBON

Forever – IMPACT SCALE – Yearly

If we did MORE of this, would the world be a BETTER PLACE?

Inventory/top down or Activity based?

TOOL: Carbon Accounting v Carbon Analysis

Carbon footprint analysis for your service

being aware of SYSTEM BOUNDARIES

We need to be wary of GREENWASHING

FUTURE HIGHWAY RESEARCH GROUP – Available to use

MONITORING + EVALUATION

Evaluation Indicators →

How have the LABS contributed to Decarbonisation? → WHERE has there been BEHAVIOURAL CHANGE? → Any UNINTENDED CONSEQUENCES? → Has it brought VALUE for MONEY and the/the/the WORTH SCALING UP?

Each of the LABS are UNIQUE, but there is COMMON GROUND

DO WE NEED a NATIONAL TOOL + METHODOLOGY → it's the common methodology that counts

GETTING to NET ZERO by PLAYING our PART and DECARBONISING our ROADS

LIVE LABS are here to help the sector (UNDERSTAND) the Tools and Methodologies that do WORK in reducing our carbon impact

but where does it START? → TO GET OURSELVES TO BENCHMARK

HAVE THINGS CHANGED? – NO INTERVENTIONS WORKED – if it doesn't DRIVE CHANGE it doesn't WORK!

NET ZERO – We need to know WHERE WE ARE NOW → So we can MEASURE

There are LOTS of Tools – and some elements in your supply chain may have been tested – but what needs to be SOUND is the METHODOLOGY and the QUALITY of the DATA

GOOD DATA IN – GOOD DATA OUT

because to get DECISION MAKERS to ACT we need TRUSTED EVIDENCE that interventions work!

a safe space to TRY THINGS!

4 THEMES – PROJECTS – Running Pilot schemes

LIVE LABS is BUILDING EVIDENCE for it's all

Quality Testing – Gathering DATA

WE'RE LEARNING RESEARCH into REALITY

- What WORKS
- WHAT DOESN'T
- WHERE the GAPS are

TESTING all sorts...
- Projects
- IDEAS
- Scale
- Locality
- Tools
- Methodologies
- Materials

When we KNOW WHAT WORKS...

OPPORTUNITY and SCALE IT!

EVIDENCE – we need to COMMUNICATE it

SUCCESS

ACCELERATE!

NET ZERO

WE'RE not going to get to NET ZERO without DOING THINGS DIFFERENTLY!

but... To MAKE REAL CHANGE we need BEHAVIOURAL CHANGE – ALL THE WAY ACROSS the SECTORS

ADEPT LIVE LABS 2 : Decarbonising Local Roads

inkythinking.com